The Children's Hospital at Westmead

Paediatric Services Building SSD Proposal

Preliminary Hazard Analysis

REP/003

Issue 3 | 5 August 2021

This report takes into account the particular instructions and requirements of our client. It is not intended for and should not be relied upon by any third party and no responsibility is undertaken to any third party.

Job number 271985-94

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Document verification



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Executive Summary

State Environmental Planning Policy No. 33 Hazardous and Offensive Development (SEPP 33) is used in New South Wales to regulate the planning approval process for developments in hazardous and offensive industries, and potentially hazardous and potentially offensive industries.

This report follows the *Applying SEPP 33* guidance document to define the thresholds for storage quantities of dangerous goods in the Children's Hospital as Westmead ("Site").

This assessment concluded that the cryogenic oxygen storage tanks, compressed oxygen and nitrous oxide cylinders will exceed the screening threshold of SEPP 33. Therefore, a detailed qualitative analysis was conducted to determine the risk to off-site populations. It was concluded that the cryogenic oxygen tanks, compressed oxygen and nitrous oxide cylinders while exceeding the Applying SEPP 33 threshold quantities, do not pose a significant off-site risk to the surrounding residential areas.

1 Introduction

This report follows the prescriptive SEPP 33 process outlined in the NSW Department of Planning, Industry and Environment's (DPIE's) guidance document *Applying SEPP 33* (2011), specifically the flowchart presented in Figure 1 of Applying SEPP 33. This process defines thresholds for storage quantities of dangerous goods and transport frequencies.

Item 21 of the SEARS (see Appendix B) specifies that SEPP 33 assessment is required and should the development be deemed "potentially hazardous", a Preliminary Hazard Analysis (PHA) must be prepared in accordance the Applying SEPP33 guideline, the Hazardous Industry Planning Advisory Paper No. 6 'Hazard Analysis' (DoP, 2011) and Multi-Level Risk Assessment (DoP, 2011).

Additional risk classification and prioritisation will be conducted for quantities exceeding the threshold limit outline in Applying SEPP 33 in accordance with HIPAP 6.

1.1 Proposed Development

The proposal seeks consent for the construction of a new **Paediatric Services Building (PSB)** to be located adjacent to the CASB, and on the site of the decommissioned P17 car park, including development of the Hawkesbury Road forecourt and access links. This includes works associated with CHW forecourt on Hawkesbury Road to provide improved community amenity in the form of a new front entry, improved street frontage and enable a more cohesive main entrance connecting existing CHW, adjoining research facilities, and the PSB.

The scope of proposed works includes:

• Construction of the main PSB: The main PSB may contain the following uses: perioperative and interventional services, neonatal and paediatric intensive

care units, cancer centre, acute inpatient beds, back of house and parent facilities

- Alterations and additions to existing CHW KR and CASB buildings adjoining PSB site area to accommodate floor realignment and movement corridors
- Construction of a new pedestrian canopy link through KR, connecting the main PSB with the CHW forecourt and existing hospital entrance
- The canopy link is to be lifted 2 storeys above the CHW forecourt
- A new ground plane / forecourt landscaped area extending from Hawkesbury Road to the proposed PSB
- Tree removal to accommodate the construction of the PSB

2 Dangerous Goods Quantity

Table 1: Dangerous goods Classes and quantities stored at Site (source: Appendix A)

Class, Packing Group	Total Quantity (kg/L)
Class 2.1	26.38
2.2, excluding 5.1 subsidiary	7,384,999
2.2/5.1	1,124,093
3, II	2.01
3, III	4.5
4.1	0.5
5.1 only	0
6.1	0.5
8, П	0.53
8, III	51.13
9	0.07

Class 2.2 does not present an offsite risk according to Applying SEPP 33, however subsidiary Class 5.1 do, thus needs to be consider when calculating thresholds.

3 SEPP 33 Planning Requirements

State Environmental Planning Policy No. 33 Hazardous and Offensive Development (SEPP 33) is used in New South Wales to regulate the planning approval process for developments in hazardous and offensive industries, and potentially hazardous and potentially offensive industries. The SEPP 33 process is shown in Figure 1.

A key part of the SEPP 33 process is the preliminary hazard analysis (PHA). If the development application includes dangerous goods with quantities or transport frequencies above defined thresholds, a PHA must be performed as part of the SEPP 33 process.

This report assesses the Children's Hospital at Westmead against the SEPP 33 guidelines to determine whether a PHA must be undertaken.

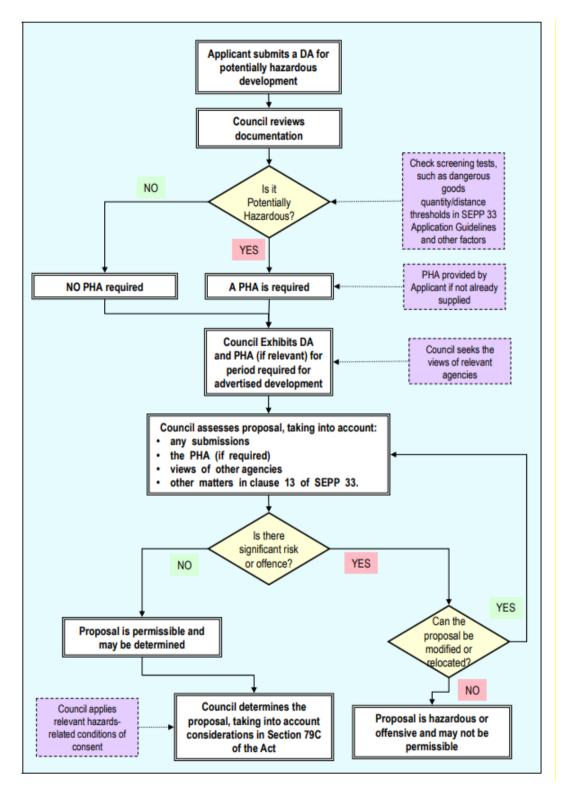


Figure 1: The SEPP 33 process (source: Applying SEPP 33 Figure 1)

To determine if the proposed development is potentially hazardous, screening tests for the quantity/distance thresholds for dangerous goods is required.

3.1 Risk Screening

The following Table 2 shows which dangerous goods Classes exceeds the threshold quantities.

Table 2: Screening threshold quantity (source: Applying SEPP 33 Table 1 and Table 3).

Class	Method to Use/Minimum Quantity	Threshold Exceeded?		
Class 2.1, pressurised	Figure 6 of SEPP33 if greater than 100kg	No		
2.2, excluding 5.1	N/A	No		
3, II	Figure 9 of SEPP33 if greater than 5 tonnes	No		
3, III	Figure 9 of SEPP33 if greater than 5 tonnes	No		
4.1	5 tonnes	No		
5.1 (including subsidiary risk)	5 tonnes	Yes		
6.1	2.5 tonnes of PG II and III	No		
8, II	25 tonnes	No		
8, III	50 tonnes	No		
9	N/A	No		

Regarding transportation issues, the proposed development may be potentially hazardous if the number of generated traffic movements (for significant quantities of hazardous materials entering or leaving the site) is above the annual or weekly cumulative vehicle movements shown in Figure 2.

	Vehicle Mo	ovements	Minimum	quantity*			
	Cumulative	Peak	per load (tonne)				
Class	Annual or	Weekly	Bulk	Packages			
1	see note	see note	see note	-			
2.1	>500	>30	2	5			
2.3	>100	>6	1	2			
3PGI	>500	>30	1	1			
3PGII	>750	>45	3	10			
3PGIII	>1000	>60	10	no limit			
4.1	>200	>12	1	2			
4.2	>100	>3	2	5			
4.3	>200	>12	5	10			
5	>500	>30	2	5			
6.1	all	all	1	3			
6.2	see note	see note	see note				
7	see note	see note	see note				
8	>500	>30	2	5			
9	>1000	>60	no limit				

Note: Where proposals include materials of class 1, 6.2 or 7, the Department of Planning should be contacted for advice. Classes used are those referred to in the Dangerous Goods Code and are explained in Appendix 7.

Figure 2: Transportation screening thresholds (source: Applying SEPP 33 Table 2)

The Sydney Children's Hospital Network confirmed that the oxygen deliveries are greater than two tonnes but delivered fortnightly. The total deliveries are approximately 25 annually. All other dangerous goods are lower than the thresholds in Figure 2.

As the annual number of generated traffic movements is not above 500 for oxygen, despite the minimum load being above two tonnes, a route evaluation study in accordance with the Department of Planning's HIPAP 11: Route Selection is not necessary. The PHA need not consider the transportation issue.

^{*} If quantities are below this level, the potential risk is unlikely to be significant unless the number of traffic movements is high.

4 Risk Classification and Prioritisation

The cryogenic oxygen stores, medical oxygen and medical nitrous oxide gas cylinders exceed the screening threshold of SEPP 33. However, the risk classification technique provided in the Multi-level Risk Assessment guidance material does not cover Class 5.1 materials (p12).

Oxygen and nitrous oxide are oxidising gases so there is the potential for offsite risk in relation to the combustion of other materials. However, it is unlikely for there to be a simultaneous failure of offsite storages with a failure of the oxygen or the nitrous oxide cylinders.

To complete the classification process, a review has been completed of the following matters to assess the need for more rigorous assessment:

- Likelihood of tank failure;
- Consequences of tank failure;
- Off-site populations and;
- Risk of fatality.

4.1 Likelihood of Oxygen VIE Tank Failure

The UK USE Failure Rate and Event Data for use in Risk Assessments gives a catastrophic tank failure rate of 2.2×10^{-5} per year for single walled Liquid Oxygen (LOX) Refrigerated Vessels. For major leaks the rate is 1×10^{-4} per year and for minor failure 1×10^{-5} per year.

4.2 Consequence of Tank Failure

Liquid oxygen will form a pool of liquid vaporizing oxygen within the secondary containment bunding around the vessel. This cloud will produce a cool layer of elevated oxygen containing air mass moving in a downwind direction. However, this will not pose a risk to any off-site populations as discussed in the next section.

4.3 Off-Site Populations

The hospital is surrounded by residential areas, with a small industrial area (primarily construction related) to the north-west. The cryogenic tank and nitrous are approximately 215 m away from the closest residential area, whereas the medical oxygen gas cylinders 175 m away from the surrounding residential area, see Figure 3. With buildings separating the dangerous goods storages from the eastern and southern residential areas and moderately dense trees separating the northern industrial and residential areas.

Additionally, the distance between the off-site diesel and oxygen storage tanks are over 350 m away. Note that this off-site dangerous goods storage is part of Westmead Hospital, however this falls outside the Children's Hospital at Westmead's site boundary, and therefore is not subject to SEPP 33 requirements.

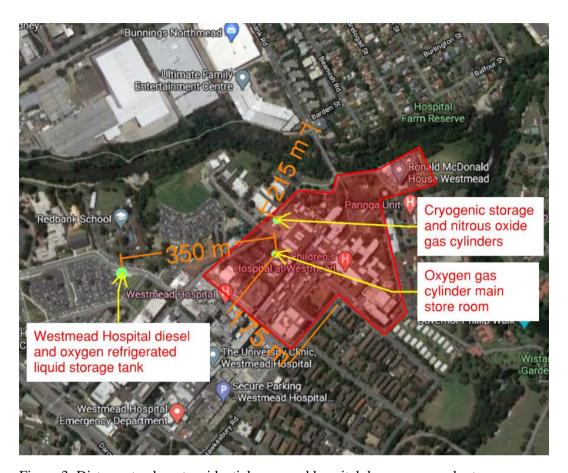


Figure 3: Distance to closest residential areas and hospital dangerous goods storage Note, the red boundary in Figures 3 and Figure 4 is the site boundary for the Children's Hospital at Westmead.



Figure 4: The Children's Hospital at Westmead site boundary and dangerous goods storage areas exceeding Applying SEPP33

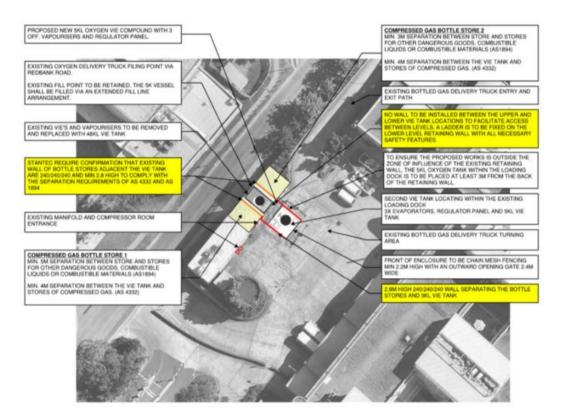


Figure 5: Proposed bulk oxygen facility (Source: Appendix D Figure 1)

4.4 Off-Site Risk of Fatality

Oxygen and nitrous oxide are non-toxic and non-combustible, however, they are a strong oxidiser, which will increase the ability for other materials e.g. diesel, to burn. Additionally, cryogenic oxygen in contact with exposed skin can cause frostbite and damage to the eye.

In the event of a major failure of the cryogenic oxygen tanks, there is significant distance and physical barriers i.e. buildings, to off-site populations to dilute and warm up any oxygen released.

Note for the worst-case scenario in AS1894: *The storage and handling of non-flammable cryogenic and refrigerated liquids*, Table 4.1 dictates the minimum separation distances for liquid oxygen. The total safety distance to places of public assembly, where patients are confined to bed and any combustible materials is 12 m. This is significantly less than the distance to off-site residential areas.

Regarding the oxygen gas cylinders, the bulk are stored in Block 5, Level 1 Gas Store (see Appendix B). Additionally, there are small stores of oxygen cylinders in each ward, less than 5,000 L in each store. As the bulk of the oxygen cylinders are stored in their own separate storage room, it is extremely unlikely that the simultaneous failure of enough compressed oxygen cylinders could occur to pose a credible risk to off-site populations due to the large separation distances.

Additionally, approximately 45 m north of the cryogenic storage is a small petrol pump observed through Google Maps¹ captured in September 2020. It was confirmed by Sydney Children's Hospital Network that this petrol pump is not in use

The individual risk of fatality for offsite populations is zero (0) and there is no societal risk associated with dangerous goods that exceed the threshold quantities.

Therefore, it has been assessed that there is no serious potential for harm and a Qualitative Analysis is appropriate.

4.5 On-Site Risk

In accordance with AS1894 Table 4.1, the following separation distances need to be adhered to for the main oxygen plant. These include:

- The minimum separation distance to other dangerous goods stores of other classes or subsidiary risks is 4 m; and
- The minimum separation distance to places of public assembly, areas of buildings where patients are confined to bed and solid combustible materials is 12 m. Where,
 - The closest potential place of assembly is a car park 20 m away; and
 - The closest potential building where patients could be confined is 20 m away; and

Note, solid combustible materials refer to things such as used boxes, cartons, wastepaper, firewood, tyres, or the like, but not materials in structures such as timber in a fence or building wall. It is recommended that these materials are not stored with 12 m of the cryogenic storage tanks.

Separation distances may be measured around a screen wall, see Section 4 of AS1894.

4.6 Controlling the Risk

As the risk of fatality to off-site populations is insignificant, it is concluded that compliance with appropriate Australian Standards will provide adequate risk management for the facility as discussed in Section 5.

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¹ Google. (n.d.). *Redbank Road*. Retrieved from: https://www.google.com/maps/@-33.8003341,150.991315,3a,75y,259.4h,87.66t/data=!3m7!1e1!3m5!1sMn00ZowpKTlpcMwh9luZ mQ!2e0!6s%2F%2Fgeo1.ggpht.com%2Fcbk%3Fpanoid%3DMn00ZowpKTlpcMwh9luZmQ%26 output%3Dthumbnail%26cb_client%3Dmaps_sv.tactile.gps%26thumb%3D2%26w%3D203%26h%3D100%26yaw%3D236.78346%26pitch%3D0%26thumbfov%3D100!7i16384!8i8192

5 Dangerous Goods Requirements

The requirements for storage of dangerous goods are defined in guidance materials and standards. The applicable Australian Standards for this development include:

- AS 1894 1997 The storage and handling of non-flammable cryogenic and refrigerated liquids;
- AS 1940-2017: The storage and handling of flammable and combustible liquids;
- AS 3780-2008: The storage and handling of corrosive substances; and
- AS 4332-2004: The storage and handling of gases in cylinders.

The primary management of off-site risks is by locating goods in appropriate places from the boundary and separated from other reactive or incompatible goods. These requirements for cryogenic oxygen storages, compressed oxygen and nitrous oxide cylinders are detailed below.

5.1 Cryogenic Oxygen

The *Oxygen VIE Tank Overview* memo from Stantec (see Appendix D) outlines the requirement for an upgrade to a 48,000 L VIE vessel and a 5,000 L backup vessel from one 15,000 L oxygen VIE vessel and one 1,200 L backup.

The liquid oxygen storage requirements are detailed in Tables 4.1 and 4.2 of AS 1894.

The oxygen shall be at least 15 m from the diesel storage.

The oxygen shall be at least 15 m from where people are confined to bed.

The oxygen shall be at least 6 m from the hospital building structure.

The oxygen shall be at least 6 m from other dangerous goods stores of other classes or subsidiary risks.

Note: Separation distance can be measured around a screen wall.

5.2 Compressed Oxygen and Nitrous Oxide Cylinders

The CHW gas cylinder store is in the same vicinity at the Loading Dock Medical Gas Compound as the cryogenic oxygen tanks.

The oxygen cylinders are primarily stored in Block 5, Level 1 Gas Store (see Appendix B).

The safe storage of gas cylinders is defined by AS4332. Section 4 sets out the requirements and recommendations for the construction and location of stores for gases in cylinders, in quantities greater than those given for minor storage.

Any store for gases in cylinders that is attached to or located within a building shall be separated from the remainder of the building by one or more walls, each having an FRL of at least 240/240/240.

As this hospital is a multi-story building, the floor above the store shall be constructed of materials having an FRL of not less than 180/180/180. Note, this store and floor above already exists, Arup assumes that it is compliant as this is outside our scope boundary.

The walls and roof, if fitted, shall be clad with non-combustible materials. Where practicable, the supporting structure shall also be constructed on non-combustible materials.

Where mixed classes of gases are kept in a store, the quantity of each class shall be taken to achieve the aggregate water capacity of the store and greatest separation distance for any of the classes stored, as set out in Table 4.1 of AS4332, shall apply.

Segregation of gas cylinders within the store shall comply with the following requirements of AS 4332:

Table 3: Segregation of gases within a store (Source: Table 4.2 of AS4332)

Class/Subrisk	2.1	2.2	2.2/5.1	2.3 or 2.3/8		
2.1.	_	0	3 m	3 m		
2.2	0	_	0	0		
2.2/5.1.	3 m	0	_	3 m		
2.3 or 2.3/8.	3 m	0	3 m	_		

NOTES:

- 1 Segregation applies to both primary and subsidiary risks.
- 2 Class 2.2 gases may be used to segregate Class 2.1 from Classes 2.2/5.1, 2.3 or 2.3/8.
- 3 Additionally, any known reactivity between any two mutually incompatible gases within a class, subclass or subrisk shall be taken into account and segregation provided.

Addendum

Following the PSB SSDA lodgement, the following comments have been raised by DPIE's Response to Submission (RtS) letter.

- Item 22: It is acknowledged that the loading dock area would be used to unload dangerous goods. Please confirm whether storage of other dangerous goods (other than the storage proposed in Item 1) would be undertaken in the loading dock area as well. If so, please provide the following: (a) a list of the dangerous goods including classification, type of storage, and quantity of storage (in kilograms) in the loading dock area; and (b) a layout of the dangerous goods storage locations in the loading dock area.
- Item 23: Confirm the dangerous goods, listed in Appendix A of the PHA are existing stores of dangerous goods, located in Block 5 of the CHW, and the quantity is not altered by the scope of works.

This addendum will address both of these comments.

Item 22

Flammable Liquids Store

There are no other dangerous goods stores in the Loading Dock located on level 2.

On level 2, approximately 16 m East from the Loading Dock, the Pharmacy Department houses a separate flammable store (see Appendix C for layout), including a 250L flammable liquids cabinet, containing the following flammable liquids:

Note, a breakdown of the individual dangerous goods quantities was not provided.

Table 4: Flammable liquid storage breakdown for the 250L cabinet

Dangerous Good	Class, Packing Group
Ethanol 96%	3, II
Acetone	3, II
Ethanol based products for topical use: Bonny's Blue Solution, Carnoy's solution and Coal tar solution;	3, II
Chlorhexidine in 70% alcohol;	3, 3II
Alcohol 70% spray bottles.	3, II

The addition of the 250L Class 3 does not exceed the screening thresholds in Table 2. No further action is required from a SEPP 33 perspective.

Medical Gas Compound

The Medical Gas Compound on level 2 of the PSB provides 2.5 hours of emergency storage. This is in addition to the storage provided in the existing CHW Loading Dock as detailed in the manifest in Appendix A under 'Bulk Medical Gas Storage'.

The following Table 5 is a summary of the gas cylinder contents at CHW:

Table 5: CHW summary of gas cylinders in the original bulk medical gas storage (Source: Appendix A 'Bulk Medical Gas Storage)

Dangerous Good	Class	Total Gas Content			
Nitrogen	2.2	328,200L			
Medical Air	2.2	897,600L			
Nitrous oxide	2.2/5.1	248,000L			

In addition to Table 5, the PSB medical gas compound will provide the following:

Table 6: PSB 2.5 hours emergency storage within medical gas compound (Source: Stantec Aconex: WGE.-GCOR-001128 on 22/07/2021)

Dangerous Goods	Class	Applicable under Applying SEPP33	Quantity/Size	Total Gas Content ² (at 101.3kPa and 15°C)		
Oxygen 2.2/5.1		Yes	5xMAN15	633,000L		
Carbon dioxide	2.2	No	4xG-size	66,200L		
Medical air	2.2	No	3xMAN15	336,200L		
Nitrous oxide	2.2/5.1	Yes	2xF8-size	248,800L		

Refer to Appendix C for layout.

Applying SEPP33 excludes Class 2.2 from the risk screening.

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² Assuming the medical gas cylinders will be provided by BOC: https://www.boc-healthcare.com.au/en/images/HCD125 Gas%20Cylinder%20ID%20Pocket%20Guide V3 WEB tcm350-131321.pdf , accessed 22/07/2021

A MAN15 is approximately equivalent to 15 G-size bottles.

AS 4332 Table C1 outlines the water capacity for a F-size and G-size cylinder to be 34L and 50L, respectively. Therefore, the additional total water capacity of these oxygen, carbon dioxide, medical air, nitrous oxide cylinders is approximately 3,750L, 200L, 2,250L and 68L, respectively.

Regarding Class 5.1 (which includes subsidiary risks), as previous outlined in Table 2, the quantity does exceed the threshold. With the addition of the oxygen manifolded cylinders and nitrous oxide cylinders this obviously still applies. The requirements and conclusions outlined in Sections 4 and Section 5 of this report continue to apply.

Additional separation requirements for this medical gas compound in accordance with AS 4332 Table 4.1 include:

- The minimum separation distance to a protected place for both Class 2.2 and 2.2/5.1 is 5 m;
- The minimum separation distance to an on-site protected place for both Class 2.2 and 2.2/5.1 is 3 m;
- The minimum separation distance to stores of other dangerous goods, combustible liquids or combustible materials for Class 2.2 and 2.2/5.1 is 2 m and 3 m, respectively³;
- The minimum separation distance to filling/decanting points for packages of dangerous goods or combustible liquids, dangerous goods or combustible liquids in bulk for Class 2.2 and 2.2/5.1 is 3 m and 5 m, respectively.

Item 23

The dangerous goods listed in Appendix A of the PHA are existing stores of dangerous goods, located in Block 5 of the CHW. The scope of work for the Children's Hospital at Westmead Stage 2 Redevelopment does not include any amendments, alterations or expansions of the existing stores of dangerous goods located in Block 5 of the CHW.

In Arup's experience regarding changes from the redevelopment at hospitals, where the facilities are being upgraded and there are no biomedical research facilities added, we would not expect significant changes in the use of dangerous goods or hazardous substances.

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³ If it can be demonstrated that such substances are not incompatible with the gases being stores, then these separation distances may be reduced.

Appendix A

Dangerous Goods Manifest



(Location Name: CHILDRENS HOSPITAL AT WESTMEAD/ BLOCK 5/ LEVEL 1/ BULK MEDICAL GAS STORAGE, Child Locations Included)

(Sort By: Product Name, Filter By: None)

Stock	Stock Product Name						Supplier (Emergency Contact)							
Number	Dangerous Packing C1 / C2 Hazchem					Status	Container	Number Of	Container	Q	uantity (Kg/l	-)	Risk	SDS Date
rtambor	Number Good UN number		group	Combustible	Code	Code		Containers	Size	Max Container Actual		Assessment	SDS Date	

Location: CHILDRENS HOSPITAL AT WESTMEAD/ BLOCK 5/ LEVEL 1/ BULK MEDICAL GAS STORAGE/ STORAGE CAGE - NITROGEN											
032G NITROGEN, COMPRESSED BOC LIMITED (AUSTRALIA) (1800 653 572 (24/7) (Australia only))											
DG 2.2 UN 1066 2T Approved No 3 109400 L 328200 L Available 11-May-										11-May-2018	

Location:	Location: CHILDRENS HOSPITAL AT WESTMEAD/ BLOCK 5/ LEVEL 1/ BULK MEDICAL GAS STORAGE/ STORE ROOM 1 - VESSEL													
37708038 MEDICAL OXYGEN (REFRIGERATED LIQUID)							AIR LIQUIDE HEALTHCARE PTY LIMITED (1800 812 588)							
	DG 2.2 / 5.1	UN 1073	-	-	2P	Approved	No	1	15000 L		15000 L		Available	08-Nov-2017
37708038	37708038 MEDICAL OXYGEN (REFRIGERATED LIQUID)							AIR LIQUIDE H	HEALTHCARE	PTY LIMITED	(1800 812	588)		
	DG 2.2 / 5.1	UN 1073	-	-	2P	Approved	No	1	1200 L		1200 L		Available	08-Nov-2017

Location:	CHILDRENS	HOSPITAL AT	WESTMEA	D/ BLOCK 5/ L	EVEL 1/ BU	ILK MEDICAL	GAS STOR	AGE/ STORE	ROOM 2 - MI	EDICAL AIR EMERGE	NCY SUPPLY	
470G	MEDICAL AIR	, COMPRESSED)					BOC LIMITED	(AUSTRALIA)	(1800 653 572 (24/7) (Aus	stralia only))	
	DG 2.2	UN 1002	-	-	2T	Approved	No	2	51300 L	102600 L	Available	31-Jan-2020
470G	MEDICAL AIR	, COMPRESSED)					BOC LIMITED	(AUSTRALIA)	(1800 653 572 (24/7) (Aus	stralia only))	
	DG 2.2	UN 1002	-	-	2T	Approved	No	6	115400 L	692400 L	Available	31-Jan-2020

Location	CHILDRENS	HOSPITAL AT	WESTMEA	D/ BLOCK 5/ L	EVEL 1/ BU	ILK MEDICAL	GAS STOR	AGE/ STORE	ROOM 3 - DF	RY AIR & NITRO	OUS OXIDE		
470G	MEDICAL AIR,	COMPRESSE)					BOC LIMITED	(AUSTRALIA)	(1800 653 572 (24	4/7) (Australia o	nly))	
	DG 2.2	UN 1002	-	-	2T	Approved	No	2	51300 L	102	2600 L	Available	31-Jan-2020
610G	MEDICAL NITI	ROUS OXIDE, C	OMPRESSED					BOC LIMITED	(AUSTRALIA)	(1800 653 572 (24	4/7) (Australia o	nly))	
	DG 2.2 / 5.1	UN 1070	-	-	2P	Approved	No	2	124000 L	248	8000 L	Available	01-Nov-2016



Appendix

Max Quantity Max Quantity is calculated by multiplying the Max value of the Stock Inventory Item with the Container Size of the Stock Inventory Item, where the Max value is available.

Container Quantity Container Quantity is calculated by multiplying the Number of Containers of the Stock Inventory Item with the Container Size of the Stock Inventory Item.

Actual Quantity Actual Quantity is calculated by adding the available quantities in all the Container Items of a Stock Inventory Item where Individual Container Tracking is switched on, and Container Item

is active



(Location Name: CHILDRENS HOSPITAL AT WESTMEAD/ BLOCK 5/ LEVEL 1/ PORTABLE GAS STORAGE ROOMS (51LQ011), Child Locations Included)

(Sort By: Product Name, Filter By: None)

Stock	Product Name)						Supplier (Eme	rgency Conta	ct)				
Number	Dangerous	UN number	Packing	C1 / C2	Hazchem	Status	Container	Number Of	Container	C	uantity (Kg/L	-)	Risk	SDS Date
	Good	ON Humber	group	Combustible	Code	Status	Tracking	Containers	Size	Max	Container	Actual	Assessment	3D3 Date

262G2	ARGON, COM	IPRESSED						BOC LIMITED	(AUSTRALIA) (1800	653 572 (24/7) (Australia	only))	
	DG 2.2	UN 1006	-	-	2T	Approved	No	1	10200 Gas Cylinder - Size G	510000 L	Available	13-Sep-2019
37706152	ARGON, COM	IPRESSED						BOC LIMITED	(AUSTRALIA) (1800	653 572 (24/7) (Australia	only))	
	DG 2.2	UN 1006	-	-	2T	Approved	No	1	4100 Gas Cylinder - Size E	95348.84 L	Available	13-Sep-2019
4093	BALLOON GA	S						BOC LIMITED	(AUSTRALIA) (1800	653 572 (24/7) (Australia	only))	
	DG 2.2	UN 1046	1	-	2T	Approved	No	1	1400 Gas Cylinder - Size D	14000 L	Available	31-Jan-2020
11902	CARBON DIO	XIDE CYLINDEF	R, GAS AND L	IQUID WITHDRA	WAL			BOC LIMITED	(AUSTRALIA) (1800	653 572 (24/7) (Australia	only))	
	DG 2.2	UN 1013	-	-	2T	Approved	No	7	31 Kg	217 Kg	Available	17-Nov-2016
2313	HELIUM, CON	//PRESSED						BOC LIMITED	(AUSTRALIA) (1800	653 572 (24/7) (Australia	only))	
	DG 2.2	UN 1046	-	-	2T	Approved	No	4	7200 Gas Cylinder - Size G	1440000 L	Available	31-Jan-2020
470G	MEDICAL AIR	, COMPRESSE)			! !		BOC LIMITED	(AUSTRALIA) (1800	653 572 (24/7) (Australia	only))	Į.
	DG 2.2	UN 1002	-	-	2T	Approved	No	7	7500 Gas Cylinder - Size G	2625000 L	Available	31-Jan-2020
530E	MEDICAL CAI	RBON DIOXIDE,	COMPRESSI	ED, GAS & LIQU	ID WITHDRA	WAL		BOC LIMITED	(AUSTRALIA) (1800	653 572 (24/7) (Australia	only))	
	DG 2.2	UN 1013	-	-	2RE	Approved	No	1	8000 Gas Cylinder - Size E	186046.5 1 L	Available	31-Jan-2020
530E	MEDICAL CAI	RBON DIOXIDE,	COMPRESSI	ED, GAS & LIQU	ID WITHDRA	WAL		BOC LIMITED	(AUSTRALIA) (1800	653 572 (24/7) (Australia	only))	
	DG 2.2	UN 1013	-	-	2RE	Approved	No	1	8 Gas Cylinder - Size E	186.05 L	Available	31-Jan-2020



(Location Name: CHILDRENS HOSPITAL AT WESTMEAD/ BLOCK 5/ LEVEL 1/ PORTABLE GAS STORAGE ROOMS (51LQ011), Child Locations Included)

(Sort By: Product Name, Filter By: None)

Ctaala	Product Name)						Supplier (Eme	ergency Conta	ct)				
Stock Number	Dangerous	UN number	Packing	C1 / C2	Hazchem	Status	Container	Number Of	Container	C	uantity (Kg/L	-)	Risk	SDS Date
	Good	ON Humber	group	Combustible	Code	Status	Tracking	Containers	Size	Max	Container	Actual	Assessment	3D3 Date
400NG	MEDICAL OXY	GEN, COMPRE	ESSED					BOC LIMITED	(AUSTRALIA)	(1800 653 57	72 (24/7) (Aus	tralia only))		
	DG 2.2 / 5.1	UN 1072	-	-	2S	Approved	No	1	8075 Gas		403750 L		Available	11-Nov-2020
									Cylinder - Size G					
032G	NITROGEN, C	OMDDESSED						BOC LIMITED		(1900 652 5	72 (24/7) (44)	tralia anlul)		
032G	· ·			1	1	I	1		r`	(1600 003 07	·	stralia orliy))	1	
	DG 2.2	UN 1066	-	-	2T	Approved	No	2	9100 Gas		910000 L		Available	11-May-2018
									Cylinder -					
									Size G					
234G2	NITROGEN, C	OMPRESSED						BOC LIMITED	(AUSTRALIA)	(1800 653 57	72 (24/7) (Aus	tralia only))		
	DG 2.2	UN 1066	-	-	2T	Approved	No	1	6.7 Gas		335 L		Available	11-May-2018
									Cylinder -					
									Size G					
243039	OXYGEN, COI	MPRESSED						BOC LIMITED	(AUSTRALIA)	(1800 653 57	72 (24/7) (Aus	tralia only))		
	DG 2.2 / 5.1	UN 1072	-	-	2S	Approved	No	1	4100 Gas		95348.84		Available	24-Oct-2019
									Cylinder -		L			
									Size E					

Location:	CHILDRENS	HOSPITAL A	T WESTMEA	D/ BLOCK 5/ L	EVEL 1/ PC	ORTABLE GAS	STORAGE	ROOMS (51L	Q011)/ LICEN	SED MEDI	CAL GAS I	ROOM S4 D	ORUG	
2302	ENTONOX							BOC LIMITED	(AUSTRALIA)	(1800 653 57	2 (24/7) (Aus	stralia only))		
	DG 2.2 / 5.1	UN 3156	-	-	2S	Restricted	No	2	500 Gas		2777.78 L		Available	01-Nov-2016
									Cylinder -					
									Size C					
610C	MEDICAL NITI	ROUS OXIDE, (COMPRESSED)				BOC LIMITED	(AUSTRALIA)	(1800 653 57	2 (24/7) (Aus	stralia only))		
	DG 2.2 / 5.1	UN 1070	-	-	2P	Restricted	No	3	935 Gas		7791.67 L		Available	01-Nov-2016
									Cylinder -					
									Size C					

Location	: CHILDRENS	HOSPITAL A	T WESTMEA	D/ BLOCK 5/ L	EVEL 1/ PC	RTABLE GAS	S STORAGE	ROOMS (51L	.Q011)/ PORT	ABLE MED	OICAL GAS	ROOM (51	LQ012)	
470C	MEDICAL AIR	, COMPRESSEI	D					BOC LIMITED	(AUSTRALIA)	(1800 653 57	72 (24/7) (Aus	stralia only))		
	DG 2.2	UN 1002	-	-	2T	Approved	No	15	0.4 Gas		16.67 L		Available	31-Jan-2020
									Cylinder -					
									Size C					

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(Location Name: CHILDRENS HOSPITAL AT WESTMEAD/ BLOCK 5/ LEVEL 1/ PORTABLE GAS STORAGE ROOMS (51LQ011), Child Locations Included)

(Sort By: Product Name, Filter By: None)

	Product Name	•						Supplier (Eme	ergency Conta	ct)				
Stock Number	Dangerous	UN number	Packing	C1 / C2	Hazchem	Ctatus	Container	Number Of	Container	C	uantity (Kg/l	L)	Risk	SDS Date
Humber	Good	ON number	group	Combustible	Code	Status	Tracking	Containers	Size	Max	Container	Actual	Assessment	SDS Date
470C	MEDICAL AIR,	COMPRESSE)					BOC LIMITED	(AUSTRALIA)	(1800 653 57	72 (24/7) (Aus	stralia only))		
	DG 2.2	UN 1002	-	-	2T	Approved	No	9	470 Gas Cylinder - Size C		11750 L		Available	31-Jan-2020
470D	MEDICAL AIR,	COMPRESSE)	'			•	BOC LIMITED	(AUSTRALIA)	(1800 653 57	72 (24/7) (Aus	stralia only))		
	DG 2.2	UN 1002	-	-	2T	Approved	No	10	1520 Gas Cylinder - Size D		152000 L		Available	31-Jan-2020
470D	MEDICAL AIR,	COMPRESSE)				•	BOC LIMITED	(AUSTRALIA)	(1800 653 57	72 (24/7) (Aus	stralia only))		
	DG 2.2	UN 1002	-	-	2T	Approved	No	8	1.5 Gas Cylinder - Size D		120 L		Available	31-Jan-2020
2489	MEDICAL CAF	RBON DIOXIDE,	COMPRESSE	ED, GAS & LIQUI	D WITHDRAV	VAL		BOC LIMITED	(AUSTRALIA)	(1800 653 57	72 (24/7) (Aus	stralia only))		
	DG 2.2	UN 1013	-	-	2RE	Approved	No	7	935 Gas Cylinder - Size C		18180.56 L		Available	31-Jan-2020
2489	MEDICAL CAR	RBON DIOXIDE,	COMPRESSE	ED, GAS & LIQUI	D WITHDRAV	VAL	!	BOC LIMITED	(AUSTRALIA)	(1800 653 57	72 (24/7) (Aus	stralia only))		
	DG 2.2	UN 1013	-	-	2RE	Approved	No	1	0.9 Gas Cylinder - Size C		2.5 L		Available	31-Jan-2020
240579	MEDICAL OXY	GEN			•		•	AIR PRODUC	TS PLC (0500 0	020202 / +44	870 190 687	4)		
	DG 2.2 / 5.1	UN 1072	-	-	2S	Approved	No	53	0.4 Gas Cylinder - Size C		58.89 L		Available	06-Nov-2017
400C	MEDICAL OXY	GEN, COMPRE	SSED		•			BOC LIMITED	(AUSTRALIA)	(1800 653 57	72 (24/7) (Aus	stralia only))		
	DG 2.2 / 5.1	UN 1072	-	-	2S	Approved	No	27	460 Gas Cylinder - Size C		34500 L		Available	11-Nov-2020
400CD	MEDICAL OXY	GEN, COMPRE	ESSED				•	BOC LIMITED	(AUSTRALIA)	(1800 653 57	72 (24/7) (Aus	stralia only))		
	DG 2.2 / 5.1	UN 1072	-	-	2S	Approved	No	5	630 Gas Cylinder - Size CD		7560.12 L		Available	11-Nov-2020
400CD	MEDICAL OXY	GEN, COMPRE	ESSED					BOC LIMITED	(AUSTRALIA)	(1800 653 57	72 (24/7) (Aus	stralia only))		



(Location Name: CHILDRENS HOSPITAL AT WESTMEAD/ BLOCK 5/ LEVEL 1/ PORTABLE GAS STORAGE ROOMS (51LQ011), Child Locations Included)

(Sort By: Product Name, Filter By: None)

Stock	Product Name							Supplier (Eme	rgency Conta	ct)				
Number	Dangerous	UN number	Packing	C1 / C2	Hazchem	Status	Container	Number Of	Container	C	Quantity (Kg/L	-)	Risk	SDS Date
	Good	ON Humber	group	Combustible	Code	Status	Tracking	Containers	Size	Max	Container	Actual	Assessment	3D3 Date
	DG 2.2 / 5.1	UN 1072	-	-	2S	Approved	No	4	0.6 Gas		5.76 L		Available	11-Nov-2020
									Cylinder -					
									Size CD					
241308	MEDICAL OXY	GEN, COMPRE	SSED					BOC LIMITED	(AUSTRALIA)	(1800 653 5	72 (24/7) (Aus	tralia only))		
	DG 2.2 / 5.1	UN 1072	-	-	2S	Approved	No	17	1630 Gas		277100 L		Available	11-Nov-2020
									Cylinder -					
									Size D					

241964	0-199PPM NIT	RIC OXIDE IN I	NITROGEN					AIR LIQUIDE	AUSTRALIA LIMITED	(1800 800 055, 1800 812	2 588)	
	DG 2.2	UN 1956	-	-	2TE	Approved	No	6	2100 Gas Cylinder - Size D	126000 L	Available	16-Dec-2016
8004	CARBOGEN			•				BOC LIMITED	O (AUSTRALIA) (1800 6	653 572 (24/7) (Australia	only))	
	DG 2.2 / 5.1	UN 3156	-	-	2\$	Approved	No	1	1500 Gas Cylinder - Size D	15000 L	Available	08-Jul-2016
11902	CARBON DIO	XIDE CYLINDER	R, GAS AND L	QUID WITHDRA	WAL			BOC LIMITED	O (AUSTRALIA) (1800 6	653 572 (24/7) (Australia	only))	
	DG 2.2	UN 1013	-	-	2T	Approved	No	3	6 Gas Cylinder - Size D	180 L	Available	17-Nov-2016
2302	ENTONOX			•				BOC LIMITED	O (AUSTRALIA) (1800 6	653 572 (24/7) (Australia	only))	
	DG 2.2 / 5.1	UN 3156	-	-	2S	Approved	No	1	1600 Gas Cylinder - Size D	16000 L	Available	01-Nov-2016
7527054	INOMAX				1			IKARIA AUST	TRALIA (1300 198 565)		<u> </u>	•
	DG 2.2	UN 1956	-	-	2TE	Approved	No	7	1963 L	13741 L	Available	11-Nov-2016
7527054	INOMAX			•	•			IKARIA AUST	TRALIA (1300 198 565)	,	<u> </u>	
	DG 2.2	UN 1956	-	-	2TE	Approved	No	4	353 L	1412 L	Available	11-Nov-2016
240661	NITROGEN, C	OMPRESSED E	BP SPECIFICA	TION				BOC LIMITED	O (AUSTRALIA) (1800 6	653 572 (24/7) (Australia	only))	
	DG 2.2	UN 1066	-	-	2T	Approved	No	3	1400 Gas Cylinder -	42000 L	-	31-Jan-2020

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(Location Name: CHILDRENS HOSPITAL AT WESTMEAD/ BLOCK 5/ LEVEL 1/ PORTABLE GAS STORAGE ROOMS (51LQ011), Child

Locations Included)

(Sort By: Product Name, Filter By: None)

Stock	Product Name							Supplier (Eme	ergency Conta	ct)				
Number	Dangerous	UN number	Packing	C1 / C2	Hazchem	Status	Container	Number Of	Container	C	Quantity (Kg/L	-)	Risk	SDS Date
	Good	ON Hulliber	group	Combustible	Code	Status	Tracking	Containers	Size	Max	Container	Actual	Assessment	3D3 Date
									Size D					
37710259	VASOKINOX (450PPM NITRIC	OXIDE IN NI	TROGEN)				AIR LIQUIDE H	HEALTHCARE	PTY LIMITE	D (1800 812 5	588)		
	DG 2.2	UN 1956	-	-	2TE	Approved	No	6	210 Gas		12600 L		-	10-Nov-2017
									Cylinder -					
									Size D					



Appendix

Max Quantity Max Quantity is calculated by multiplying the Max value of the Stock Inventory Item with the Container Size of the Stock Inventory Item, where the Max value is available.

Container Quantity Container Quantity is calculated by multiplying the Number of Containers of the Stock Inventory Item with the Container Size of the Stock Inventory Item.

Actual Quantity Actual Quantity is calculated by adding the available quantities in all the Container Items of a Stock Inventory Item where Individual Container Tracking is switched on, and Container Item

is active



(Location Name: CHILDRENS HOSPITAL AT WESTMEAD/ BLOCK 5/ LEVEL 3/ BIOMEDICAL ENGINEERING, Child Locations Included)
(Sort By: Product Name, Filter By: None)

Stock	Product Name)						Supplier (Eme	rgency Conta	ct)				
Number	Dangerous	UN number	Packing	C1 / C2	Hazchem	Status	Container	Number Of	Container	C	Quantity (Kg/L	-)	Risk	SDS Date
- Trumbon	Good	ON Humber	group	Combustible	Code	Status	Tracking	Containers	Size	Max	Container	Actual	Assessment	SDS Date

Location:	CHILDRENS	HOSPITAL AT	T WESTMEA	D/ BLOCK 5/ L	EVEL 3/ BIG	OMEDICAL EI	NGINEERING	G/ DIALYSIS R	COOM					
3126	3M AVAGARD ETHANOL 925		AND RUB WIT	TH CHLORHEXIE	INE GLUCO	NATE 0.5% W/V	' IN 70% V/V	3M AUSTRALI	A PTY LIMITEI	D (1800 097 146	6)			
	DG 3	UN 1170	PG III	-	•2Y	Approved	No	1	500 mL		0.5 L		Available	01-Mar-2020
134	BAXTER DIAL	OX		Į.				BAXTER HEAI	LTHCARE PTY	LTD (1800 229	9 839; 13 1	1 26)		
	DG 8	UN 3265	PG III	-	2X	Approved	No	1	5000 mL		5 L		Available	12-Mar-2018
2797	ISOWIPE							O&M HALYAR	D AUSTRALIA	(1800 664 227))			
	DG 4.1	UN 3175	PG II	-	1Z	Approved	No	1	500 g		0.5 Kg		Available	04-Oct-2019

2246	3M 700 ADHE	SIVE CLEANER	AND SOLVE	NT				3M AUSTRALI	A PTY LIMITED	(1800 097 146)		
	DG 2.1	UN 1950	-	-	2YE	None	No	1	350 g	0.35 Kg	Available	10-Nov-2019
3126	3M AVAGARD ETHANOL 925		IAND RUB WIT	TH CHLORHEXI	DINE GLUCO	NATE 0.5% W/\	' IN 70% V/V	3M AUSTRALI	A PTY LIMITED	(1800 097 146)		
	DG 3	UN 1170	PG III	-	●2Y	Approved	No	1	0 None	0	Available	01-Mar-2020
240114	634A3 - ACET	ONE						OTTO BOCK A	AUSTRALIA PTY	. LTD. ((02) 8818 2800)		
	DG 3	UN 1090	PG II	-	●2YE	None	No	1	0 None	0	-	23-Sep-2019
7527578	ALPHA ADHE	SIVE THIXOFIX	(TOLUENE FF	REE) #132-560, 1	32-661			RS COMPONE	ENTS PTY LTD (1800 039 008; (03) 9573 3112)		
	DG 3	UN 1133	PG II	-	●3YE	None	No	1	0 None	0	-	05-May-2017
11993	BLOC'LUBE T	AMPER EVIDEN	NT SEAL RED					ELECTROLUB	E. A DIVISION C	OF HK WENTWORTH LTD ((02	2) 8014 4558)	
	DG 3	UN 1993	PG II	-	●3YE	None	No	1	15 mL	0.01 L	Available	04-Dec-2016
1701	CAULK TRAY	ADHESIVE						DENTSPLY SI	RONA PTY LTD	(1300 552 929 (Mon-Fri 9am-5	pm))	
	DG 3	UN 1173	PG II	-	●3YE	Approved	No	1	0 L	0 L	Available	01-Nov-2019
5496	CIRCUIT BOA	RD CLEANER (A	AEROSOL)					RICHARD FOO	OT PTY LTD ((02	2) 9979 8311)		
	DG 2.1	UN 1950	-	-	2YE	None	No	1	0 g	0 Kg	-	31-Mar-2018
8044	CLEANING FL	UID #513-679						RS COMPONE	ENTS PTY LTD (1800 039 008; (03) 9573 3112)		
	DG 2.1	UN 1950	-	-	2YE	None	No	1	0 mL	0 L	-	27-Oct-2016
14081	CLEAR MECH	ANICAL OIL						H K WENTWO	RTH PTY LIMITE	ED ((02) 8014 4558)		
	DG 2.1	UN 1950	-	-	2YE	None	No	1	0 None	0	-	02-Mar-2017
1998	CRC 3055 808	SILICONE SPF	RAY (AEROSO	L)				CRC INDUSTR	RIES (AUST) PT	Y LIMITED (13 11 26 (PIC))		

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(Location Name: CHILDRENS HOSPITAL AT WESTMEAD/ BLOCK 5/ LEVEL 3/ BIOMEDICAL ENGINEERING, Child Locations Included)

(Sort By: Product Name, Filter By: None)

٠. ١	Product Name)						Supplier (Eme	ergency Conta	ct)				
Stock Number	Dangerous	UN number	Packing	C1 / C2	Hazchem	Status	Container	Number Of	Container	C	Quantity (Kg/l	_)	Risk	SDS Date
Humber	Good	ON number	group	Combustible	Code	Status	Tracking	Containers	Size	Max	Container	Actual	Assessment	SDS Date
	DG 2.1	UN 1950	-	-	2Y	Approved	No	1	0 L		0 L		Available	31-Jul-2020
1377	ELECTRICAL	CONTACT CLE	ANER LUBRIC	CANT				RICHARD FO	OT PTY LTD ((0	02) 9979 831	11)			
	DG 2.1	UN 1950	-	-	2YE	None	No	1	175 g		0.17 Kg		-	31-Mar-2018
4874	ELECTRICAL	QUALITY SILIC	ONE					CRC INDUSTR	RIES (AUST) P	TY LIMITED	(13 11 26 (PI	C))		
	DG 2.1	UN 1950	-	-	2Y	None	No	1	0 g		0 Kg		Available	30-Jul-2020
2975	ELECTRONIC	CLEANING SO	LVENT NO.1					RICHARD FO	OT PTY LTD ((0	02) 9979 831	11)			
	DG 2.1	UN 1950	-	-	2YE	None	No	1	0 None		0		-	31-Mar-2018
10457	ELECTRONIC	CLEANING SO	LVENT PLUS	AEROSOL #175-	6473			RS COMPONE	ENTS PTY LTD	(1800 039 0	008; (03) 9573	3112)		
	DG 2.1	UN 1950	-	-	2YE	Approved	No	1	0 mL		0 L		Available	27-Oct-2016
2120	ETHANOL 70%	6 (UNDENATUR	RED, WATER	ONLY)				THERMO FISH	HER SCIENTIF	IC AUSTRAI	LIA PTY LTD	((03) 9757 4	559/ (02) 8014 45	58)
	DG 3	UN 1170	PG II	-	●2YE	Approved	No	1	0 mL		0 L		Available	15-Apr-2020
242356	ETHANOL 95	SG (SVR 95%)						RECOCHEM I	NC ((07) 3308	5200; 1300 1	131 001 (After	hours)/ 080	0 764 766)	
	DG 3	UN 1170	PG II	-	●2YE	None	No	1	1 L		1 L		Available	20-Feb-2017
7525948	ETHANOL UN	DENATURED						AUSTRALIAN 127 406)	CHEMICAL RE	AGENTS (A	CR) ((08) 844	10 2000 (Mo	n - Fri 8:30am - 5:	00pm)/ 1800
	DG 3	UN 1170	PG II	-	●2YE	None	No	1	0 mL		0 L		Available	31-Oct-2015
7760	FIX ADHESIVE	EAEROSOL						DENTSPLY SI	IRONA PTY LTI	D (1300 552	929 (Mon-Fri	9am-5pm))	•	
	DG 2.1	UN 1950	-	-	2YE	None	No	1	0 None		0		Available	27-Jun-2017
2976	FREEZER SPI	RAY					•	RICHARD FO	OT PTY LTD ((0	02) 9979 831	11)			
	DG 2.2	UN 3159	-	-	2YE	None	No	1	0 None		0		-	31-Mar-2018
241582	INDUSTRIAL N	METHYLATED S	SPIRITS (IMS)					WILMAR BIOE only))	ETHANOL (AUS	TRALIA) PT	Y LTD (1800	774 557/ 13	11 26 (available i	n Australia
	DG 3	UN 1170	PG II	-	●2YE	None	No	1	0 mL		0 L		Available	16-Dec-2015
2797	ISOWIPE			•			•	O&M HALYAR	D AUSTRALIA	(1800 664 2	27)		•	
	DG 4.1	UN 3175	PG II	-	1Z	Approved	No	1	0 T		0 Kg		Available	04-Oct-2019
3863	KIMCARE MIC	ROMIST AIR N	EUTRALISER	/ MORNING AIR		KIMBERLY-CL	ARK AUSTRAI	LIA PTY LTE	0 ((02) 9963 8	888; or 1800	0 647 994)			
	DG 2.1	UN 1950	-	-	2YE	None	No	1	54 mL		0.05 L		Available	22-Sep-2016
3349	LIQUID PAPE	R CORRECTION	N FLUID OPTI	MIZATION			•	NEWELL AUS	TRALIA (1800	639 355)			•	
	DG 3	UN 1993	PG II	-	•3YE	Approved	No	1	0 mL		0 L		Available	(PRODUCT OBSOLETE)
3382	LOCTITE 401							HENKEL AUS	TRALIA PTY LT	TD (1800 03	2 379)			



(Location Name: CHILDRENS HOSPITAL AT WESTMEAD/ BLOCK 5/ LEVEL 3/ BIOMEDICAL ENGINEERING, Child Locations Included)

(Sort By: Product Name, Filter By: None)

	Product Name	•						Supplier (Eme	ergency Conta	ct)				
Stock Number	Dangerous	UN number	Packing	C1 / C2	Hazchem	Status	Container	Number Of	Container		Quantity (Kg/l	_)	Risk	SDS Date
ramber	Good	ON number	group	Combustible	Code	Status	Tracking	Containers	Size	Max	Container	Actual	Assessment	SDS Date
	DG 9	UN 3334	-	C1	2Z	None	No	1	25 mL		0.03 L		Available	02-Apr-2020
13634	LOCTITE 401 9265, 101-600		91, 408-4169,	409-1476, 448-4	547, 473-596,	918-4832, 258	3-5856, 615-	RS COMPONE	ENTS PTY LTD	(1800 039	008; (03) 9573	3112)		
	DG 9	UN 3334	-	C1	2Z	None	No	1	0 None		0		-	22-Jun-2016
241506	MEDICAL AIR	, COMPRESSE)					BOC LIMITED	(AUSTRALIA)	(1800 653 5	572 (24/7) (Aus	tralia only))		
	DG 2.2	UN 1002	-	-	2T	Approved	No	1	0 Gas Cylinder - Size D		0 L		Available	31-Jan-2020
37706701	MEDICAL OXY	GEN, COMPRE	SSED					BOC LIMITED	(AUSTRALIA)	(1800 653 5	572 (24/7) (Aus	tralia only))		
	DG 2.2 / 5.1	UN 1072	1	-	2\$	None	No	2	0 Gas Cylinder - Size D		0 L		Available	11-Nov-2020
14084	MERCURISOF	RB MERCURY S	PILLS CLEAN	I UP KIT				THERMO FISH	HER SCIENTIF	IC AUSTRA	LIA PTY LTD	((03) 9757 4	559/ (02) 8014 45	58)
	DG 5.1	UN 1493	PG II	-	1Y	None	No	1	0 None		0		-	08-Oct-2017
242744	MOLYKOTE D	X PASTE						DOW CHEMIC	CAL (AUSTRAL	IA) (1800 03	33 882 (AUS);	0800 243 62	2 (NZ))	
	DG 9	UN 3077	PG III	C2	2Z	None	No	1	0 g		0 Kg		-	20-Apr-2018
6324	NATURAL DE	GREASER						CRC INDUSTR	RIES (AUST) P	TY LIMITED	(13 11 26 (PI	C))		
	DG 2.1	UN 1950	1	-	2Y	None	No	1	0 None		0		-	30-Jul-2020
2099	ORTHOPHOS	PHORIC ACID 8	35%					THERMO FISH	HER SCIENTIF	IC AUSTRA	LIA PTY LTD	((03) 9757 4	559/ (02) 8014 45	58)
	DG 8	UN 1805	PG III	-	2R	None	No	1	0 L		0 L		Available	04-Jul-2020
7522979	PROMED ISO	PROPYL WIPES	3					THERMO FISH	HER SCIENTIF	IC AUSTRA	LIA PTY LTD	((03) 9757 4	559/ (02) 8014 45	58)
	DG 4.1	UN 3175	PG II	-	1Z	None	No	1	0 None		0		Available	24-Aug-2017
502	PTFE / SILICO	NE LUBRICAN	Г #569-256				_	RS COMPONE	ENTS PTY LTD	(1800 039	008; (03) 9573	3112)		
	DG 2.1	UN 1950	-	-	2YE	None	No	1	1 None		0		Available	27-Nov-2016
7527584	RS PRO ELEC	TRONIC RINSII	NG SOLUTION	N - SAFERINSE 2	2000 #497-016	;		RS COMPONE	ENTS PTY LTD	(1800 039	008; (03) 9573	3112)		
	DG 2.1	UN 1950	-	-	2YE	None	No	1	0 None		0		-	12-Nov-2018
5516	SILICONE GR	EASE COMPOL	JND AEROSO	L				H K WENTWO	RTH PTY LIMI	TED ((02) 8	014 4558)			
	DG 2.1	UN 1950	-	-	2YE	None	No	1	200 mL		0.2 L		-	14-Mar-2017
37710189	SILICONE HEA	AT TRANSFER	COMPOUND I	PLUS #301-2826				RS COMPONE	ENTS PTY LTD	(1800 039	008; (03) 9573	3112)		
	DG 9	UN 3082	PG III	C2	●3Z	None	No	1	0 None		0		-	08-Feb-2017
6641	TETRAHYDRO	FURAN			,		ı	THERMO FISH	HER SCIENTIF	IC AUSTRA	LIA PTY LTD	((03) 9757 4	559/ (02) 8014 45	58)
	DG 3	UN 2056	PG II	-	●2YE	None	No	1	0 None		0		-	04-Jul-2020

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(Location Name: CHILDRENS HOSPITAL AT WESTMEAD/ BLOCK 5/ LEVEL 3/ BIOMEDICAL ENGINEERING, Child Locations Included)
(Sort By: Product Name, Filter By: None)

Stock	Product Name							Supplier (Eme	ergency Conta	ct)				
Number	Dangerous	UN number	Packing	C1 / C2	Hazchem	Status	Container	Number Of	Container	C	Quantity (Kg/l	-)	Risk	SDS Date
	Good	ON Hamber	group	Combustible	Code	Otatas	Tracking	Containers	Size	Max	Container	Actual	Assessment	ODO Date
12181	VENTTI GAS F	REFILL						SCANDINAVIA	N TOBACCO	GROUP AUS	STRALIA PTY	LTD (1800 3	35 691)	
	DG 2.1	UN 1950	-	-	2YE	None	No	1	0 mL		0 L		Available	10-Aug-2015
1560	WD - 40 AERC	SOL						WD-40 COMPA	ANY (AUST) P	TY LTD (180	0 024 973)			
	DG 2.1	UN 1950	-	-	2YE	Approved	No	1	0 L		0 L		Available	05-Jul-2018

3126	3M AVAGARD ETHANOL 925		IAND RUB WI	TH CHLORHEXI	DINE GLUCO	NATE 0.5% W/V	IN 70% V/V	3M AUSTRAL	LIA PTY LIMITED (180	0 097 146)		
	DG 3	UN 1170	PG III	-	•2Y	Approved	No	1	0 mL	0 L	Available	01-Mar-2020
2255	ACETYLENE			•	•			BOC LIMITED	O (AUSTRALIA) (1800	653 572 (24/7) (Australia	only))	
	DG 2.1	UN 1001	-	-	2SE	None	No	1	0 Gas Cylinder - Size G	0 L	Available	13-Sep-2018
5562	ACRIFIX 1R 0°	192						ACRYLIC TE	CHNOLOGIES AUSTR	RALIA PTY LTD (1800 127	406; (03) 9353 0199)	
	DG 3	UN 1133	PG II	-	●3YE	Approved	No	1	0 T	0 Kg	-	31-Jul-2018
7524328	ANIOS RHW							GALLAY MED	DICAL & SCIENTIFIC F	PTY LTD (1300 425 529)		
	DG 3	UN 1993	PG III	-	•3Y	Approved	No	1	0 L	0 L	Available	24-Nov-2016
2149	ARGON, COM	PRESSED						BOC LIMITED	O (AUSTRALIA) (1800	653 572 (24/7) (Australia	only))	
	DG 2.2	UN 1006	-	-	2T	Approved	No	1	0 Gas Cylinder - Size G	0 L	Available	13-Sep-2019
6060	ASEPTI VALID	ATE			•			ECOLAB PTY	LTD (1800 205 506, +	+64 7 958 2372)		
	DG 8	UN 3266	PG II	-	2X	Approved	No	1	0 L	0 L	-	16-Dec-2015
8004	CARBOGEN				•			BOC LIMITED	O (AUSTRALIA) (1800	653 572 (24/7) (Australia	only))	
	DG 2.2 / 5.1	UN 3156	-	-	2S	None	No	1	0 Gas Cylinder - Size E	0 L	Available	08-Jul-2016
11902	CARBON DIO	KIDE CYLINDER	R, GAS AND L	QUID WITHDRA	AWAL			BOC LIMITED	O (AUSTRALIA) (1800	653 572 (24/7) (Australia	only))	
	DG 2.2	UN 1013	-	-	2T	Approved	No	1	0 Gas Cylinder - Size C	0 L	Available	17-Nov-2016
1998	CRC 3055 808	SILICONE SPR	RAY (AFROSC)))	•			CRC INDUST	RIES (ALIST) PTV LIM	IITED (13 11 26 (PIC))		•



(Location Name: CHILDRENS HOSPITAL AT WESTMEAD/ BLOCK 5/ LEVEL 3/ BIOMEDICAL ENGINEERING, Child Locations Included)

(Sort By: Product Name, Filter By: None)

O4 1	Product Name	•						Supplier (Eme	ergency Conta	ct)				
Stock Number	Dangerous	UN number	Packing	C1 / C2	Hazchem	Status	Container	Number Of	Container	(Quantity (Kg/l	L)	Risk	SDS Date
	Good		group	Combustible	Code		Tracking	Containers	Size	Max	Container	Actual	Assessment	
	DG 2.1	UN 1950	-	-	2Y	Approved	No	1	0 L		0 L		Available	31-Jul-2020
2975		CLEANING SOI	LVENT NO.1	1	1		1	RICHARD FOO	OT PTY LTD ((02) 9979 83 ⁻	- 		1	
	DG 2.1	UN 1950	-	-	2YE	None	No	1	0 None		0		-	31-Mar-2018
2313	HELIUM, COM	PRESSED						BOC LIMITED	(AUSTRALIA)	(1800 653 5	72 (24/7) (Aus	tralia only))		
	DG 2.2	UN 1046	-	-	2T	None	No	1	0 None		0		Available	31-Jan-2020
5472	HYDROGEN							BOC LIMITED	(AUSTRALIA)	(1800 653 5	72 (24/7) (Aus	tralia only))		
	DG 2.1	UN 1049	-	-	2SE	None	No	1	0 None		0		-	15-May-2018
12367	INOMAX							IKARIA AUSTI	RALIA (1300 19	8 565)				
	DG 2.2	UN 1956	-	-	2TE	None	No	2	2 Gas Cylinder - Size 88		62.89 L		Available	11-Nov-2016
2797	ISOWIPE							O&M HALYAR	D AUSTRALIA	(1800 664 2	227)			
	DG 4.1	UN 3175	PG II	-	1Z	Approved	No	1	0 T		0 Kg		Available	04-Oct-2019
511855	LIQUID PYRO	NEG		'			'	DIVERSEY AL	ISTRALIA PTY	. LIMITED (1800 033 111	(24 hrs))	'	
	DG 8	UN 1814	PG III	-	2R	None	No	1	0 None		0		Available	02-Feb-2018
2278	LPG							COREGAS PT	Y LTD (130060	7577)				
	DG 2.1	UN 1075	-	-	2YE	None	No	1	0 Kg		0 Kg		Available	29-Nov-2018
2001	MEDAC						•	WHITELEY CO	DRPORATION	PTY LTD ((()2) 9929 9155	; 13 11 26)		
	DG 8	UN 1760	PG III	-	2X	Approved	No	8	5 L	,,	40 L	,	Available	12-Sep-2016
241506	MEDICAL AIR	COMPRESSED)	!				BOC LIMITED	(AUSTRALIA)	(1800 653 5	72 (24/7) (Aus	stralia only))		·
	DG 2.2	UN 1002	-	-	2T	Approved	No	1	0 Gas Cylinder - Size D	`	0 L		Available	31-Jan-2020
37709093	MEDICAL LIQ	JID OXYGEN						BOC LIMITED	(AUSTRALIA)	(1800 653 5	72 (24/7) (Aus	stralia only))		
	DG 2.2 / 5.1	UN 1073	-	-	2P	None	No	1	0 None		0		Available	23-Mar-2016
7527386	MEDICAL OXY	GEN, COMPRE	SSED				•	BOC LIMITED	(AUSTRALIA)	(1800 653 5	72 (24/7) (Aus	stralia only))		
	DG 2.2 / 5.1	UN 1072	-	-	2S	None	No	1	0 None		0		Available	11-Nov-2020
9661	METHYLATED	SPIRIT (5% ME	EOH)					THERMO FISH	HER SCIENTIF	IC AUSTRA	LIA PTY LTD	((03) 9757 4	559/ (02) 8014 45	58)
	DG 3	UN 1170	PG II	-	●2YE	None	No	1	0 L		0 L		Available	15-Apr-2020
234G2	NITROGEN, C	OMPRESSED					ı	BOC LIMITED	(AUSTRALIA)	(1800 653 5	72 (24/7) (Aus	stralia only))		·
	DG 2.2	UN 1066	-	-	2T	Approved	No	1	0 Gas		0 L		Available	11-May-2018

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(Location Name: CHILDRENS HOSPITAL AT WESTMEAD/ BLOCK 5/ LEVEL 3/ BIOMEDICAL ENGINEERING, Child Locations Included)

(Sort By: Product Name, Filter By: None)

01 1	Product Name	е						Supplier (Eme	ergency Conta	ct)				
Stock Number	Dangerous	UN number	Packing	C1 / C2	Hazchem	Status	Container	Number Of	Container	(Quantity (Kg/l	-)	Risk	SDS Date
Itamber	Good	ON number	group	Combustible	Code	Status	Tracking	Containers	Size	Max	Container	Actual	Assessment	SDS Date
									Cylinder - Size G					
243307	NITROUS OXI	IDE, COMPRES	SED		,			BOC LIMITED	(AUSTRALIA)	(1800 653 5	72 (24/7) (Aus	tralia only))		
	DG 2.2 / 5.1	UN 1070	-	-	2P	None	No	1	0 None		0		Available	01-Nov-2016
7548	OXYGEN COM	MPRESSED						COREGAS PT	Y LTD (130060	7577)				
	DG 2.2 / 5.1	UN 1072	-	-	2\$	Approved	No	1	0 Gas Cylinder - Size C		0 L		Available	02-Jul-2019
7522979	PROMED ISO	PROPYL WIPES	3				•	THERMO FISH	HER SCIENTIF	IC AUSTRA	LIA PTY LTD	((03) 9757 45	559/ (02) 8014 45	58)
	DG 4.1	UN 3175	PG II	-	1Z	None	No	1	0 None		0		Available	24-Aug-2017
5471	PROPANE	•		•				BOC LIMITED	(AUSTRALIA)	(1800 653 5	72 (24/7) (Aus	tralia only))		
	DG 2.1	UN 1978	-	-	2YE	None	No	1	0 None		0		Available	30-Mar-2017
1857	VIREX II J-FLE	ΞX						DIVERSEY AL	JSTRALIA PTY	. LIMITED (1800 033 111	(24 hrs))		
	DG 8	UN 1903	PG III	C1	2X	Approved	No	4	1.5 L		6 L		Available	18-Nov-2018

				D/ BLOCK 5/ L	EVEL 3/ BI	OMEDICAL EI	NGINEERIN	IG/ MECHANIC						
2245	3M 100 ADHE	SIVE CLEANER						3M AUSTRAL	IA PTY LIMITE	D (1800 097 1	46)			
	DG 3	UN 1993	PG II	-	●3YE	None	No	1	0 L		0 L		Available	13-Jul-2017
2246	3M 700 ADHES	SIVE CLEANER	AND SOLVEN	IT.				3M AUSTRAL	IA PTY LIMITE	D (1800 097 1	46)			
	DG 2.1	UN 1950	-	-	2YE	Approved	No	1	0 g		0 Kg		Available	10-Nov-2019
2254	3M HI-TACK S	PRAY ADHESI	√E 76					3M AUSTRAL	IA PTY LIMITE	D (1800 097 1	46)			
	DG 2.1	UN 1950	-	-	2YE	None	No	1	0 g		0 Kg		Available	15-Nov-2016
6535	3M SCOTCHG	ARD PROTECT	OR FOR FABI	RIC & UPHOLST	ERY			3M AUSTRAL	IA PTY LIMITE	D (1800 097 1	46)			
	DG 2.1	UN 1950	-	-	2YE	None	No	1	0 g		0 Kg		Available	09-Oct-2017
2255	ACETYLENE							BOC LIMITED	(AUSTRALIA)	(1800 653 572	2 (24/7) (Aus	stralia only))		
	DG 2.1	UN 1001	-	-	2SE	None	No	1	1 Gas Cylinder - Size E		23.26 L		Available	13-Sep-2018
5562	ACRIFIX 1R 0°	192	•					ACRYLIC TEC	HNOLOGIES A	AUSTRALIA P	TY LTD (180	00 127 406; (0	3) 9353 0199)	•
	DG 3	UN 1133	PG II	-	●3YE	Approved	No	1	0 T		0 Kg		-	31-Jul-2018
7527578	ALPHA ADHES	SIVE THIXOFIX	(TOLUENE FF	REE) #132-560, 1	32-661			RS COMPONE	ENTS PTY LTD	(1800 039 00	8; (03) 9573	3112)		



(Location Name: CHILDRENS HOSPITAL AT WESTMEAD/ BLOCK 5/ LEVEL 3/ BIOMEDICAL ENGINEERING, Child Locations Included) (Sort By: Product Name, Filter By: None)

	Product Name	•						Supplier (Eme	ergency Conta	ct)				
Stock Number	Dangerous	LINI sassashasa	Packing	C1 / C2	Hazchem	C4-4	Container	Number Of	Container	C	uantity (Kg/l	L)	Risk	CDC D-4-
Humber	Good	UN number	group	Combustible	Code	Status	Tracking	Containers	Size	Max	Container	Actual	Assessment	SDS Date
	DG 3	UN 1133	PG II	-	●3YE	None	No	1	0 None		0		-	05-May-2017
7527581	ARALDITE 20°	1 HARDENER						BOEING DIST	RIBUTION SEF	RVICES (FO	RMERLY KLX	(AEROSPA	CE) ((07) 3292 52	200)
	DG 8	UN 2735	PG II	C2	2X	None	No	1	25 mL		0.03 L		-	15-Feb-2016
7527580	ARALDITE 20°	1 RESIN						BOEING DIST	RIBUTION SEF	RVICES (FO	RMERLY KL	(AEROSPA	CE) ((07) 3292 52	200)
	DG 9	UN 3082	PG III	C2	2X	None	No	1	25 mL		0.03 L		-	18-Jul-2017
7523709	ARALDITE 5 M	IINUTE EPOXY	ADHESIVE (0	CLASS 8) - PART	Α			SELLEYS, A D	IVISION OF D	JLUXGROU	P (AUSTRAL	IA) PTY LTD	(1800 033 111)	
	DG 8	UN 2735	PG III	C2	2X	None	No	1	0 mL		0 L		Available	(PRODUCT OBSOLETE)
458	ARALDITE RA	PID RESIN		•			•	REBAIN INTE	RNATIONAL (A	UST) PTY L	TD ((03) 9706	9400)		
	DG 9	UN 3082	PG III	C2	•3Z	None	No	1	0 None		0		Available	23-Jul-2018
7167	ARGON, COM	PRESSED (AR)		•				AIR LIQUIDE	AUSTRALIA LII	MITED (1800	800 055, 180	00 812 588)		
	DG 2.2	UN 1006	-	-	2T	None	No	1	0 Gas Cylinder - Size E		0 L		Available	18-Dec-2016
3414	BLOC'LUBE TA	AMPER EVIDEN	IT SEAL RED	1				ELECTROLUE	BE. A DIVISION	OF HK WEI	NTWORTH L	г ГD ((02) 801	4 4558)	
	DG 3	UN 1993	PG II	_	•3YE	None	No	1	0 mL		0 L	((*) * *	Available	04-Dec-2016
1789	BRASSO							RECKITT BEN	ICKISER (AUS	TRALIA) PTY	/ LTD (13 11	26)	l	L
	DG 3	UN 1300	PG III	-	3Y	Approved	No	1	1 mL	,	0 L	,	Available	14-Jun-2018
3914	CIGWELD CO	MWELD 965 SO	LDERING FL	ÚΧ				CIGWELD PT	Y LTD ((03) 947	4 7400)			I	
	DG 8	UN 1840	PG III	-	2X	None	No	1	125 mL		0.13 L		Available	27-Jun-2017
5184	CIGWELD CO	MWELD SILVEF	R BRAZING FL	UX NO. 2				CIGWELD PT	Y LTD ((03) 947	4 7400)			1	<u> </u>
	DG 8 / 6.1	UN 1811	PG II	-	2X	None	No	1	500 g	•	0.5 Kg		Available	08-Sep-2016
5496	CIRCUIT BOA	RD CLEANER (A	AEROSOL)	'			!	RICHARD FO	OT PTY LTD ((()2) 9979 831	1)	!	1	•
	DG 2.1	UN 1950	-	-	2YE	None	No	1	175 g		0.17 Kg		-	31-Mar-2018
1998	CRC 3055 808	SILICONE SPR	RAY (AEROSC	DL)			•	CRC INDUSTR	RIES (AUST) P	TY LIMITED	(13 11 26 (PI	C))		
	DG 2.1	UN 1950	-	-	2Y	None	No	1	500 mL		0.5 L		Available	31-Jul-2020
242578	CRC 3055 808	SILICONE SPR	•	CRC INDUSTR	RIES (AUST) P	TY LIMITED	(13 11 26 (PI	C))						
	DG 2.1	UN 1950	-	-	2Y	None	No	1	0 None		0		Available	31-Jul-2020
2977	DOW CORNIN	G OS-2 SILICO	NE CLEANER	& SURFACE PR	EP			DOW CORNIN	IG AUSTRALIA	PTY LTD (1	300 360 732))		
	DG 2.1	UN 1950	-		2YE	None	No	1	0 None		0		-	27-Apr-2016
1377	ELECTRICAL	CONTACT CLE	ANER LUBRIC	CANT				RICHARD FO	OT PTY LTD ((02) 9979 831	1)			



(Location Name: CHILDRENS HOSPITAL AT WESTMEAD/ BLOCK 5/ LEVEL 3/ BIOMEDICAL ENGINEERING, Child Locations Included) (Sort By: Product Name, Filter By: None)

	Product Name	.						Supplier (Eme	ergency Conta	ct)				
Stock Number	Dangerous	IIII	Packing	C1 / C2	Hazchem	01-1	Container	Number Of	Container		Quantity (Kg/l	L)	Risk	000 D-1
Number	Good	UN number	group	Combustible	Code	Status	Tracking	Containers	Size	Max	Container	Actual	Assessment	SDS Date
	DG 2.1	UN 1950	-	-	2YE	None	No	2	175 g		0.35 Kg		-	31-Mar-2018
4874	ELECTRICAL	QUALITY SILIC	ONE					CRC INDUSTR	RIES (AUST) P	TY LIMITED	(13 11 26 (PI	C))		
	DG 2.1	UN 1950	-	-	2Y	None	No	1	300 g		0.3 Kg		Available	30-Jul-2020
4842	GALMET SPR	AYPAINT AERC	SOL (ALL CO	LOURS EXCEPT	SILVER)			ITW POLYME	RS & FLUIDS F	TY LTD (18	300 385 556 / 0	0438 465 96	0/ 1800 039 008/	(03) 9573 3112)
	DG 2.1	UN 1950	-	-	2YE	None	No	1	0 g		0 Kg		Available	27-Jun-2017
2797	ISOWIPE							O&M HALYAR	D AUSTRALIA	(1800 664 2	227)			
	DG 4.1	UN 3175	PG II	-	1Z	Approved	No	1	0 T		0 Kg		Available	04-Oct-2019
6657	LOCQSET EP	X AUTO 8PG .8	5OZ PT A					HENKEL AUS	TRALIA PTY LT	TD (1800 03	2 379)			
	DG 9	UN 3082	PG III	C2	•3Z	None	No	1	0 None		0		-	20-May-2020
242426	LOCTITE 263							HENKEL AUS	TRALIA PTY LT	TD (1800 03	2 379)			
	DG 9	UN 3082	PG III	C2	•3Z	None	No	1	10 mL		0.01 L		Available	22-Jan-2020
3382	LOCTITE 401			•	•			HENKEL AUS	TRALIA PTY LT	TD (1800 03	2 379)		•	
	DG 9	UN 3334	-	C1	2Z	None	No	1	0 mL		0 L		Available	02-Apr-2020
5493	LOCTITE SF 7	70 PRIMER KN	OWN AS LOC	TITE 770 ACTIVA	ATOR 100ML	EN		HENKEL AUS	TRALIA PTY LT	TD (1800 03	2 379)			
	DG 3	UN 1206	PG II	-	3YE	None	No	1	1 mL		0 L		-	12-Jul-2016
3632	METHYLATED	SPIRITS						RECOCHEM I	NC ((07) 3308 !	5200; 1300	131 001 (After	hours)/ 080	0 764 766)	
	DG 3	UN 1170	PG II	-	●2YE	Approved	No	1	1 L		1 L		Available	20-Feb-2017
1352	OXYGEN, COI	MPRESSED GA	S		•		•	AIR LIQUIDE A	AUSTRALIA LIN	MITED (180	0 800 055, 180	00 812 588)		
	DG 2.2 / 5.1	UN 1072	-	-	2S	None	No	1	0 Gas		0 L		Available	20-Dec-2016
									Cylinder -					
									Size G					
5560	PENETRENE /	1		1	1		1	QUICK SMAR		(13 11 26)	1		1	Г
	DG 2.1	UN 1950	-	-	2YE	None	No	1	0 L		0 L		Available	30-Nov-2016
242250	PLASTIC CEM			T	<u> </u>	<u> </u>		SHUCARE AU		LTD ((03) 9			T	T
	DG 3	UN 1133	PG II	-	●3YE	None	No	1	0 None		0		-	27-Nov-2015
12229		JPHOLSTERY (CLEANER	1		<u> </u>		-		JLUXGROL	+ `	IA) PTY LTC	(1800 033 111)	1
	DG 2.1	UN 1950	-	-	2YE	None	No	1	0 g		0 Kg		-	22-Sep-2020
11319		PROPYL WIPES		1	1					IC AUSTRA	_	((03) 9757 4	559/ (02) 8014 45	,
	DG 4.1	UN 3175	PG II	-	1Z	Approved	No	1	0 None		0		Available	24-Aug-2017
2361	ROCOL RTD (COMPOUND		1	1			ITW POLYME		TY LTD (18	_	0438 465 96	0/ 1800 039 008/	(03) 9573 3112)
	DG 9	UN 3077	PG III	C2	2Z	None	No	1	0 g		0 Kg		Available	24-Jan-2019

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Dangerous Goods Register

(Location Name: CHILDRENS HOSPITAL AT WESTMEAD/ BLOCK 5/ LEVEL 3/ BIOMEDICAL ENGINEERING, Child Locations Included)
(Sort By: Product Name, Filter By: None)

Stock	Product Name	•						Supplier (Eme	ergency Conta	ct)			Risk SDS Date Assessment			
Number	Dangerous	UN number	Packing	C1 / C2	Hazchem	Status	Container	Number Of	Container	Quantity (Kg/L)		Risk	SDS Data			
	Good	ON Humber	group	Combustible	Code	Status	Tracking	Containers	Size	Max	Container	Actual	Assessment	3D3 Date		
7527583	SPOT MARKIN	NG PAINT - FLU	ORO COLOUP	RS (RED, BLUE,	ORANGE, PII	NK, GREEN, YE	ELLOW,	SIGNET PTY L	TD ((07) 3245	5798; (07) 3	364 2100)					
	PURPLE)															
	DG 2.1	UN 1950	-	-	2YE	None	No	1	350 g		0.35 Kg		Available	13-Jan-2017		
2992	WATTYL LAC	QUER FINISH A	EROSOL CLE	AR				WATTYL (VAL	SPAR PAINT (AUSTRALIA)) (1800 039 0	(80				
	DG 2.1	UN 1950	-	-	2YE	None	No	1	0 None		0		-	16-Oct-2020		
1560	WD - 40 AERO	SOL						WD-40 COMPA	ANY (AUST) P	TY LTD (180	0 024 973)					
	DG 2.1	UN 1950	-	-	2YE	Approved	No	1	0 L		0 L		Available	05-Jul-2018		
2602	WD-40 BULK I	LIQUID (2018)			•			WD-40 COMPANY (AUST) PTY LTD (1800 024 973)								
	DG 3	UN 1268	PG III	-	3Y	None	No	1	4 L		4 L		Available	(PRODUCT		
														OBSOLETE)		

Location:	CHILDRENS	HOSPITAL AT	WESTMEA	D/ BLOCK 5/ L	EVEL 3/ BI	OMEDICAL EN	NGINEERIN	G/ VENTILATO	R TEST RO	OM			
2246	3M 700 ADHE	SIVE CLEANER	AND SOLVEN	ΙΤ				3M AUSTRALI	A PTY LIMITE	D (1800 097 146)			
	DG 2.1	UN 1950	1	ı	2YE	Approved	No	1	350 g	0.35 Kg	Available	10-Nov-2019	
241659	3M AVAGARD ETHANOL 925		AND RUB WIT	H CHLORHEXII	DINE GLUCO	NATE 0.5% W/V	' IN 70% V/V	V 3M AUSTRALIA PTY LIMITED (1800 097 146)					
	DG 3	UN 1170	PG III	-	●2Y	None	No	1	0 None	0	Available	01-Mar-2020	
1998	98 CRC 3055 808 SILICONE SPRAY (AEROSOL)							CRC INDUSTRIES (AUST) PTY LIMITED (13 11 26 (PIC))					
	DG 2.1	UN 1950	-	-	2Y	Approved	No	1	330 g	0.33 Kg	Available	31-Jul-2020	
2313	HELIUM, COM	PRESSED						BOC LIMITED (AUSTRALIA) (1800 653 572 (24/7) (Australia only))					
	DG 2.2	UN 1046	-	ı	2T	None	No	1	0 None	0	Available	31-Jan-2020	
12367	INOMAX							IKARIA AUSTRALIA (1300 198 565)					
	DG 2.2	UN 1956	-	-	2TE	None	No	3	0 Gas Cylinder - Size C	0 L	Available	11-Nov-2016	
2797	ISOWIPE							O&M HALYAR	D AUSTRALIA	(1800 664 227)	·	•	
	DG 4.1	UN 3175	PG II	-	1Z	Approved	No	1	0 None	0	Available	04-Oct-2019	
241506	MEDICAL AIR,	COMPRESSE)					BOC LIMITED (AUSTRALIA) (1800 653 572 (24/7) (Australia only))					
	DG 2.2	UN 1002	-	-	2T	Approved	No	1	0 Gas Cylinder - Size D	0 L	Available	31-Jan-2020	
37706173	MINNCARE CO	OLD STERILAN	Т					ONBOARD SO	LUTIONS PTY	LTD ((02) 9037 2994)			

Company - HEALTH ADMINISTRATION CORPORATION

User - CHWBIOMED

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Print Date: 02-Dec-2020



Dangerous Goods Register

(Location Name: CHILDRENS HOSPITAL AT WESTMEAD/ BLOCK 5/ LEVEL 3/ BIOMEDICAL ENGINEERING, Child Locations Included)
(Sort By: Product Name, Filter By: None)

Ctools	Product Name)						Supplier (Eme	ergency Conta	ct)				
Stock Number	Dangerous	UN number	Packing	C1 / C2	Hazchem	Status	Container	Number Of	Container	Quantity (Kg/L)			Risk	SDS Date
	Good	ON Humber	group	Combustible	Code	Otatus	Tracking	Containers	Size	Max	Container	Actual	Assessment	ODO Date
	DG 5.1 / 8	UN 3149	PG II	-	2W	None	No	1	0 None		0		Available	24-Mar-2016
2488	NITROGEN, C	NITROGEN, COMPRESSED						BOC LIMITED (AUSTRALIA) (1800 653 572 (24/7) (Australia only))						
	DG 2.2	UN 1066	-	-	2T	Approved	No	1	0 Gas		0 L		Available	11-May-2018
									Cylinder -					
									Size D					
4917	NITROUS OXI	DE, COMPRES	SED & LIQUE	FIED GAS (N2O)				AIR LIQUIDE A	AUSTRALIA LII	MITED (1800	800 055, 180	00 812 588)		
	DG 2.2 / 5.1	UN 1070	-	-	2P	None	No	1	0 None		0		Available	20-Dec-2016
2151	OXYGEN (MEI	DICAL)						COREGAS PT	Y LTD (130060)7577)				
	DG 2.2 / 5.1	UN 1072	-	-	2S	Approved	No	2	0 None		0		Available	29-Nov-2018

Print Date: 02-Dec-2020



Dangerous Goods Register

Appendix

Max Quantity Max Quantity is calculated by multiplying the Max value of the Stock Inventory Item with the Container Size of the Stock Inventory Item, where the Max value is available.

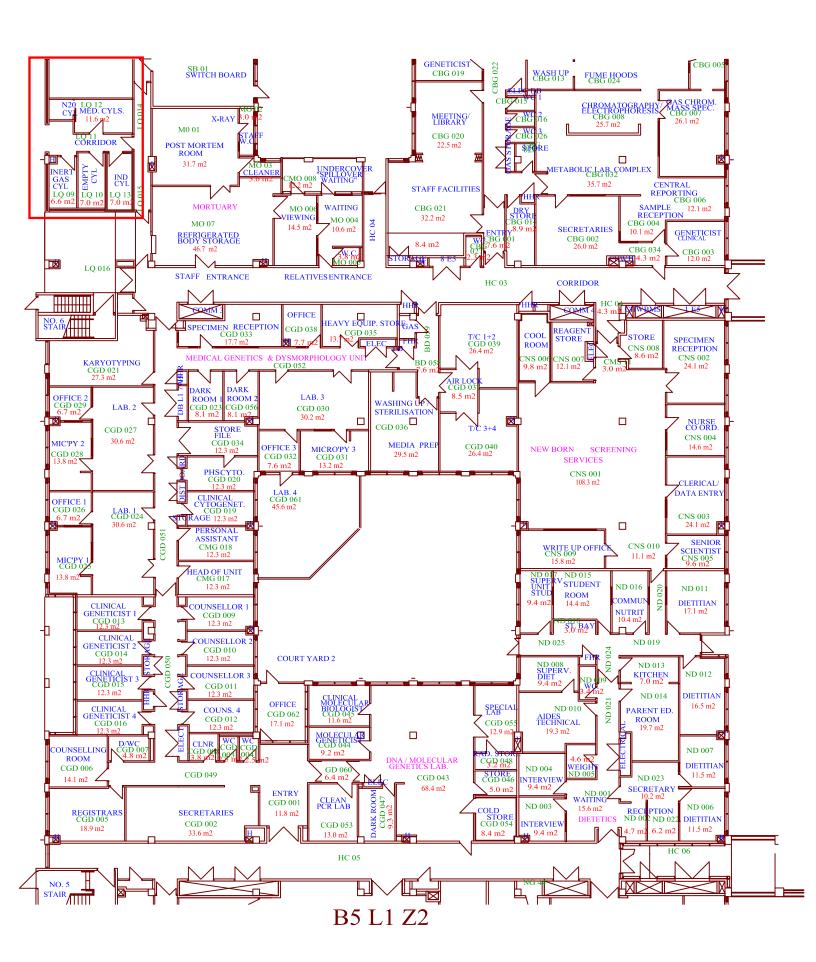
Container Quantity Container Quantity is calculated by multiplying the Number of Containers of the Stock Inventory Item with the Container Size of the Stock Inventory Item.

Actual Quantity Actual Quantity is calculated by adding the available quantities in all the Container Items of a Stock Inventory Item where Individual Container Tracking is switched on, and Container Item

is active

Appendix B

Oxygen Gas Cylinders Location



Appendix C

Medical Gas Compound and Flammable Store Location



Appendix D

Stantec Memo: Oxygen VIE Tank Overview



ME-MEMO-061_A

Enquiries: Keith Ryan Project No: 44311

To: Hanan Husaini

From: Lydia Angus Date: 22/07/21

Subject: Oxygen VIE Tank Compound

Summary: This memo details the propose Oxygen VIE Compound to serve the PSB and existing CHW campus.

Oxygen VIE Tank Overview

The existing Children's Hospital at Westmead (CHW) is served from a 15,000L primary Oxygen VIE tank and a 1,200L secondary VIE tank. These are located in the Main Medical Gas Compound off Redbank Road as shown below



Figure 1 Existing Oxygen Delivery Procedure

Air Liquide have advised that a 48,000L VIE vessel should be allowed for to serve Stage 2 PSB and the existing Children's Hospital site, based on preliminary consumption calculations and current consumption from the existing hospital at 470m3/day. This sizing allows for fortnightly deliveries and ~20% constant fill level. Air Liquide propose that both the existing and future site is served from one primary vessel. Utilising the existing 15,000L is technically an option however their preference is to avoid unnecessary engineering complexity. Mis-matched vessel sizes can cause imbalanced supply from the vessels.

Due to the relatively small size of the existing backup VIE, this vessel will need upgraded to a 5,000L VIE to provide 24-hour supply to the whole CHW campus.

The new tanks to serve the development will be split between the existing lower-level platform and the upper level within the existing CHW loading dock. The primary 48,000 L Oxygen VIE tank will be located on the lower level and the emergency VIE vessel will be located in the loading dock with the vaporisers and regulators. The fill point will be located on lower level with an extended fill line to the secondary vessel.

This option is the preference of LHD, as upgrading the existing main oxygen compound avoids a remote VIE location. Refer to appended layouts for detailed Oxygen VIE tank layout dimensions. The fixing and structural details are being finalised by Arup and Air Liquide.

Design with community in mind



ME-MEMO-061_A

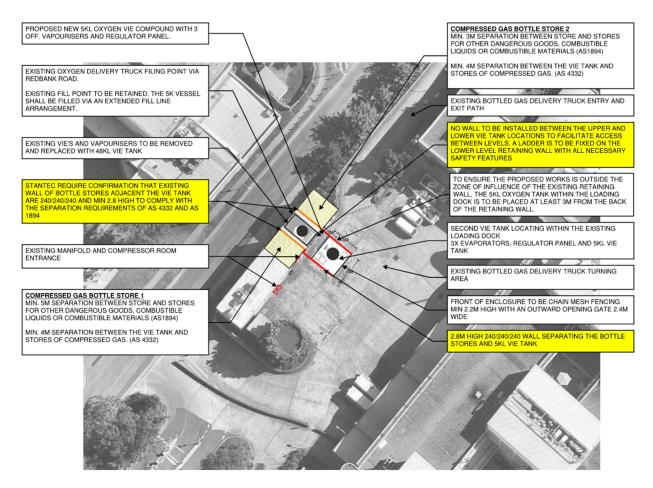


Figure 1 Proposed Bulk Oxygen Facility

Delivery Procedure

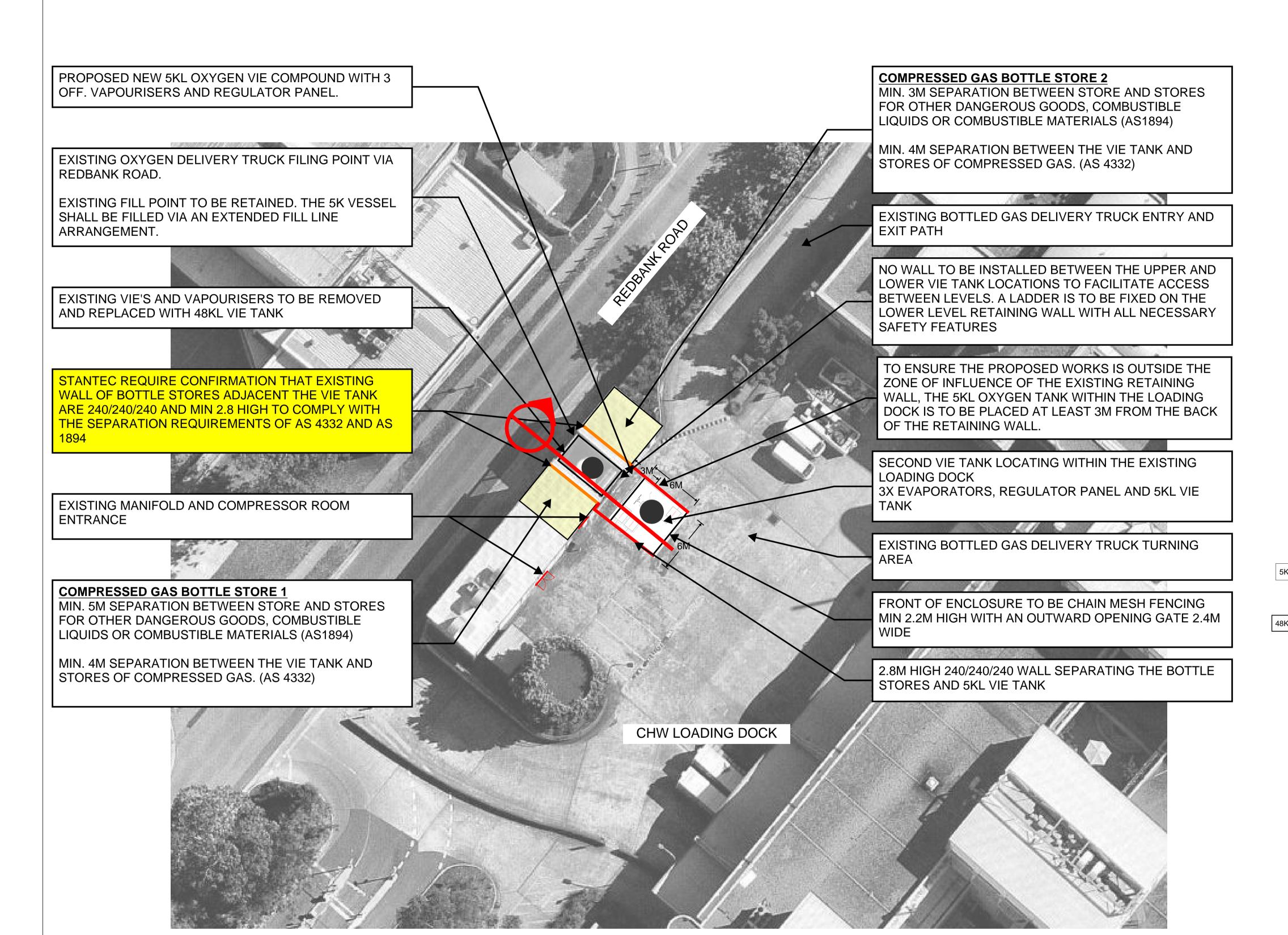
The existing oxygen fill point is located beside the 15kL primary VIE vessel and is accessed via Redbank road. As shown in figure 1, the current delivery procedure involves the 19m tanker parking on the curb and filling the oxygen storage from the rear of the tanker. This is fill locating is to be retained with an extended fill line to the tank within the loading dock.

Continuity of Supply During Installation

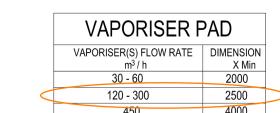
With these significant medical oxygen upgrades, focus is required to prevent any oxygen supply downtime to the existing CHW. The options to ensure continuous oxygen supply are dependent on the structural works required and the tank location.

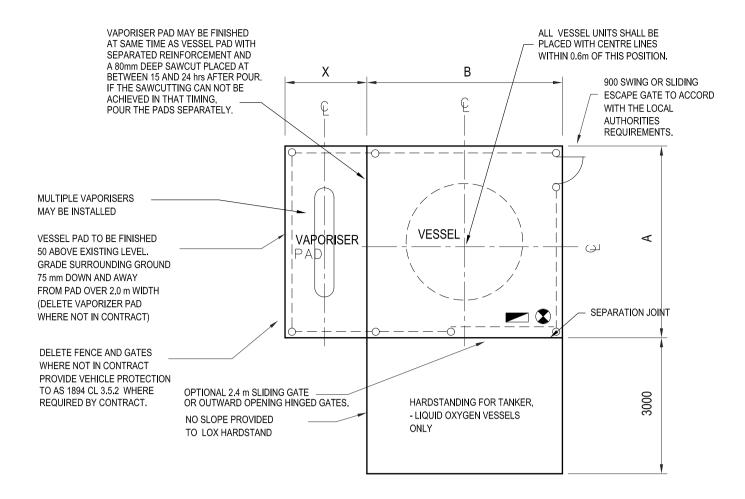
The Douglas Partners Geotechnical Report 13/05/21 and Arup advice have confirmed that the upper and lower concrete pads are sufficient for the installation of the new 48,000 L and 5,000 L tanks.

Based on this, there is no concern of continuity of supply. The 5k vessel will be installed on the upper platform and commissioned to supply the hospital, before taking out the existing vessels.

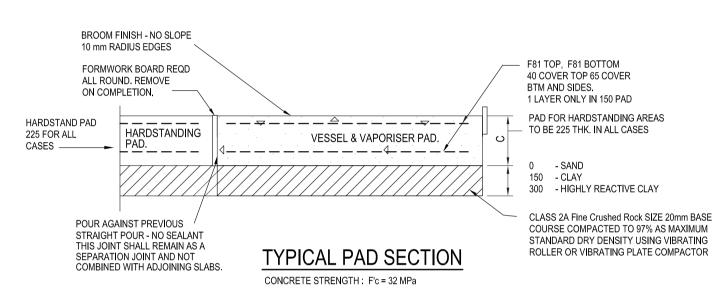


NOTE THAT ALL LAYOUT DIMENSIONS ARE TO BE CONFIRMED BY OTHERS





PAD LAYOUT PLAN



	VESSEL SIZE	MINIM	IUM PAD DIMEN	UM PAD DIMENSIONS		No. LEGS (*)	BOLTS PE	Embedment		
	VLOOLE GIZE	Α	В	С	FULL WT.kg	110.1200()	Region A, B, W.	Region C, D*.	D*. M20, M24 HD Bol	
	VIV 600-1200	4000	4000	200	3800	3	1-M16/4.6s	1-M16/4.6s	180	
	VIV 3000	4800	4800	200	6600	3	1-M16/4.6s	1-M16/4.6s	180	
	VIV 7000	4800	4800	200	14500	3	1-M16/4.6s	1-M16/4.6s	180	
5KL VIE TANK PAD THICKNESS		5000	5000	250	31000	3	1-M16/4.6s	2-M16/4.6s	220	
	VIV 30000	6000	6000	300	63000	4	1-M16/4.6s	2-M16/4.6s	270	
	VIV 45000	6000	6000	400	87000	3 OR 4	2-M16/4.6s	2-M20/4.6s	300	
48KL VIE TANK F	PAD THICKNESS	6000	6000	500	112000	4	2-M20/4.6s	3-M24/4.6s	300	

G	FOR INFORMATION	LA	KPR	16/07/21
F	FOR INFORMATION	LA	KPR	18/01/21
Е	FOR INFORMATION	LA	KPR	06/01/21
D	FOR INFORMATION	LA	KPR	09/10/20
С	FOR INFORMATION	LA	KPR	18/08/20
В	FOR INFORMATION	ALH	KPR	05/08/20
Α	FOR INFORMATION	ALH	KPR	29/06/20
REV	DESCRIPTION	DRAWN	APP'D	DATE

CONSULTANT ARCHITECT/CLIENT

Stantec

PROJECT

CHW STAGE 2 - PSB

TITLE

MEDICAL GAS COMPOUND - OPTION 2.1



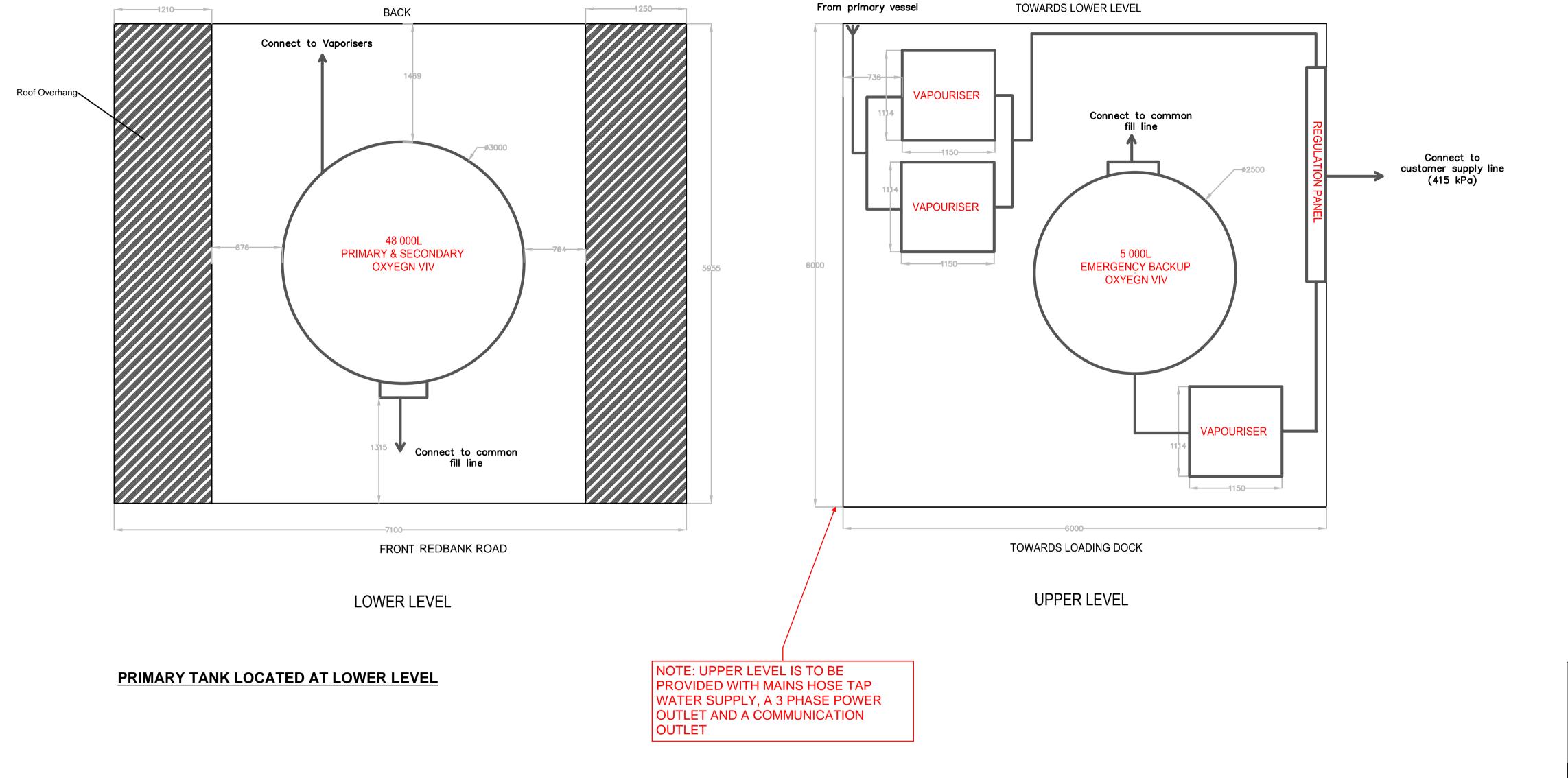
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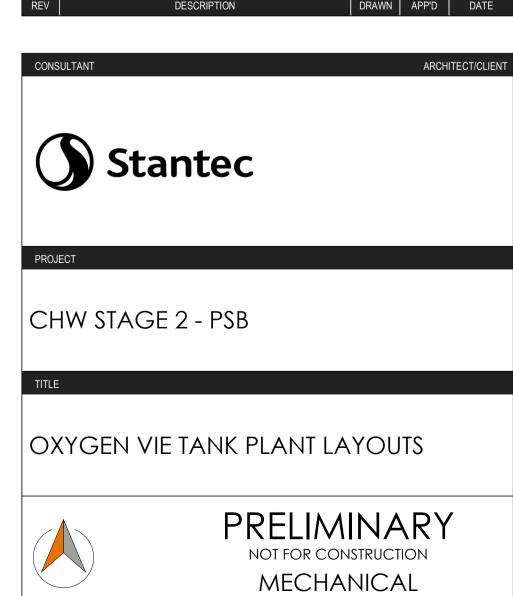
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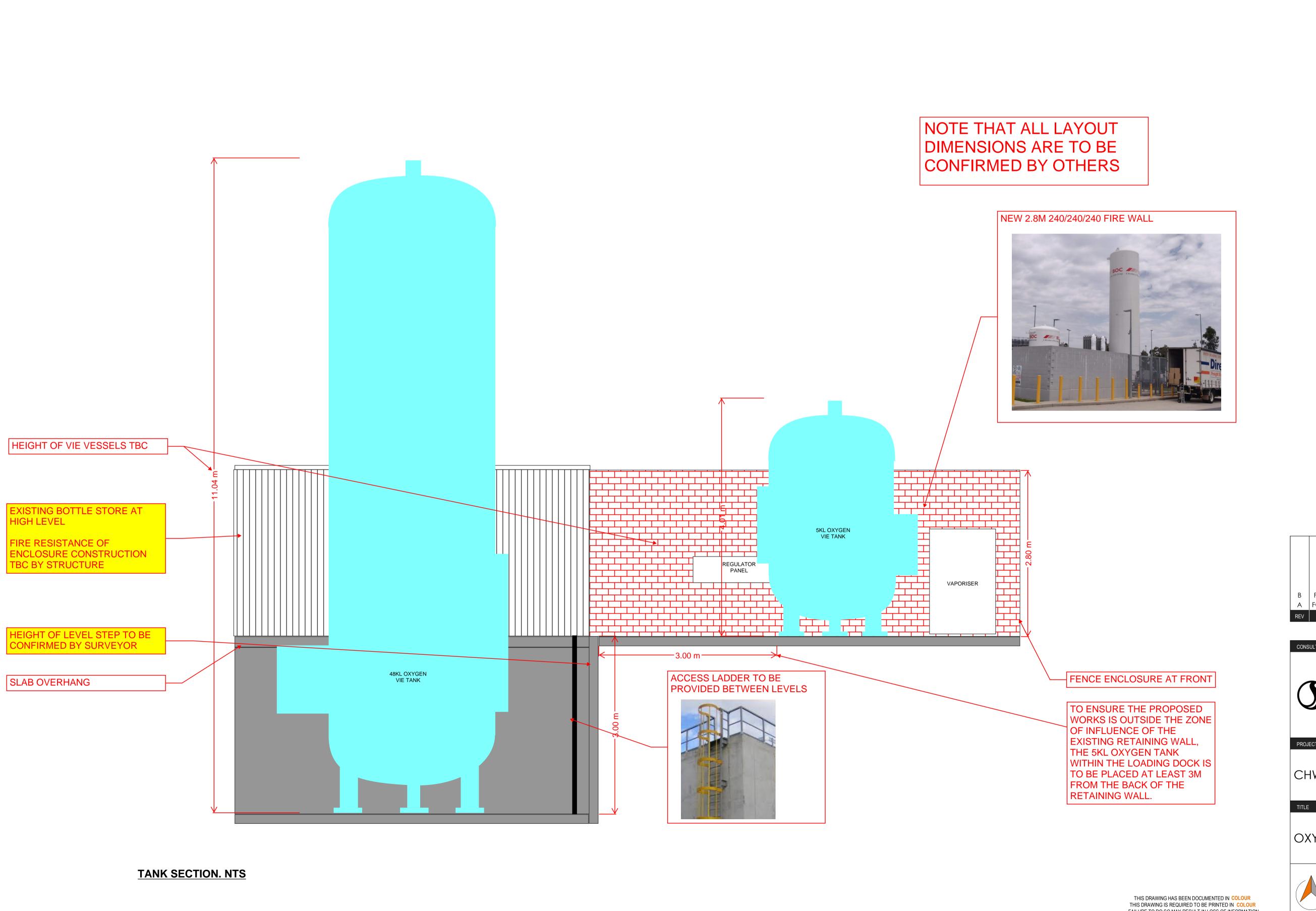
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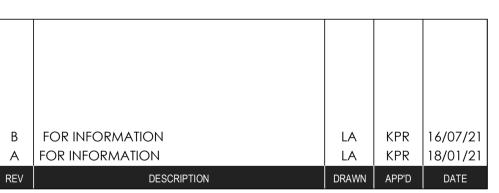
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CHW STAGE 2 - PSB

OXYGEN VIE TANK PLANT LAYOUTS



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