

Hazardous Substances Register Index

Click [hyperlink](#) to goto that page.

- 1 [Instructions](#)
- 2 [Revision Management](#)
- 3 [Revision History](#)
- 4 [Data Capture](#)
- 5 [HSR Summary Data](#) [\(Site HSR Register\)](#)

Useful Links

safety@transpower.co.nz

www.transpower.co.nz

[Hazardous Substances \(Classes 1 to 5 Controls\) Regulations 2001](#)

[Hazardous Substances \(Classes 1 to 5 Controls\) Regulations 2001 - Schedule 3](#)

Section 2 - Quantities of flammable substance that activate Approved Handler requirements

Section 4 - Quantities of class 2, 3, and 4 substances that activate Location Certificate requirements

[Worksafe NZ](#)

[Person in Charge](#)

[Approved Handlers](#)

[Test Certificates](#)

General Data									
Name of Inspector	Tayla Garrick	Site Name:	KAW	Kawerau	RSC2	This site requires a Location Certificate?			
Date of inspection:	6/08/2025	Emergency Response Plan Flip Chart Available and Current (yes/no)?				Yes	No		
Time of inspection:	9:30	MSDS Available and Current (yes/no)? (in Site Register)				Yes	Click here for info.		

A= Asbestos; BR= Battery Acid (replenishment); BS= Battery Acid (sealed); BV= Battery Acid (vented); C = Cobalt Chloride; D= Diesel; H= Hydrogen; G=Gas; K= Cleaning Solutions; L= Lubricating Oils; M= Mercury; N= Ammonia; O=Oil; P= Polychlorinated Biphenyls; S = Sulphur hexafluoride; V= Solvents (general); X= Miscellaneous

Product Code	Product Name - if not described in Code	Manufacturer or Supplier Name	UN Class number on container	Material Safety Data Sheet available? For new HS identified	Location on Site	Quantity (Kg/Lit)	Container Type	Upn container inside? Closed Occasional Open	Bundled Y/N/NA	Comments
BS - Battery Acid - Sealed		Super Safe 6TM-850			110KV Control Room B1	432	Sealed Cell batteries	Closed	N/A	110V Station Batt (54x2V) Battery
BS - Battery Acid - Sealed		Absolyte GNB 100G17			110KV Control Room B2	449	Sealed Cell batteries	Closed	N/A	110V Station Batt (54x2V) Battery
BS - Battery Acid - Sealed		Genesis 12TD150F LS 11			Control Room	170	Sealed Cell batteries	Closed	N/A	48v CommsBatteries (34x12v)
BS - Battery Acid - Sealed		Genesis 12TD150F LS 11			Control Room	170	Sealed Cell batteries	Closed	N/A	48v CommsBatteries (34x12v)
Q - Insulating Oil		ABB			LS11	455			Yes	
Q - Insulating Oil		HAERLY TRENCH 230SX			CV7582	84			N/A	82.6 x 3
Q - Insulating Oil		HAERLY TRENCH 230SX			CV7622	585			N/A	82.6 x 3
S - Sulphur Hexafluoride		1996 SIEMENS 3AP1 FG			CB582	23.1			N/A	
Q - Insulating Oil		2005 NISSIN FGCH 200			CT582	1290			N/A	430 x 3
S - Sulphur Hexafluoride		1996 SIEMENS 3AP1 FG			CB622	23.1			N/A	
Q - Insulating Oil		2005 NISSIN FGCH 200			CT622	1290			N/A	
S - Sulphur Hexafluoride		1996 SIEMENS 3AQ1			CB608	15.5			N/A	
Q - Insulating Oil		2005 NISSIN FGCH 200			CT608	1290			N/A	
S - Sulphur Hexafluoride		1996 SIEMENS 3AQ1			CB672	15.5			N/A	
Q - Insulating Oil		KONCAR			CT672	345			N/A	
S - Sulphur Hexafluoride		ABB LTB245 E1			CB592	21			N/A	
Q - Insulating Oil		1985 NISSIN FGCH 170			CT592	1290			N/A	
S - Sulphur Hexafluoride		1996 SIEMENS 3AQ1			CB552	15.5			N/A	
Q - Insulating Oil		1985 NISSIN FGCH 170			CT552	1290			N/A	
Q - Insulating Oil		PAUWELS TRAF0			T14	57000			Yes	
Q - Insulating Oil					NCT14	12			Yes	
Q - Insulating Oil					NCT672	12			Yes	
Q - Insulating Oil		PAUWELS TRAF0			T12	63900			Yes	
Q - Insulating Oil		ABB			ET12	437			Yes	
Q - Insulating Oil		ENERGY CONTROLS LTD			NCT12	12			Yes	
Q - Insulating Oil		ABB			T13	38000			Yes	
X1 - Miscellaneous	Silica Gel	Redox			220kv - ALL Transformer - Breathers	92			Yes	
Q - Insulating Oil		2017 KONCAR AGU-123			CT172	585			N/A	
S - Sulphur Hexafluoride		AEG SI-145 F1			CB162	9			N/A	
Q - Insulating Oil		2017 KONCAR AGU-123			CT162	585			N/A	3 x 110kg
Q - Insulating Oil		SIEMENS			T8	24160			Yes	
Q - Insulating Oil		TRANSFORMER WINDING SERVICES			NCT8	12			Yes	
Q - Insulating Oil		ALSTHOM			ET8	1040			Yes	
Q - Insulating Oil		2017 KONCAR AGU-123			CT52	330			N/A	
S - Sulphur Hexafluoride		2017 ABB LTB145D1/B			DCB152	11			N/A	
Q - Insulating Oil		2017 KONCAR AGU-123			CT152	330			N/A	
S - Sulphur Hexafluoride		2017 ABB LTB145D1/B			DCB62	11			N/A	
Q - Insulating Oil		2017 KONCAR AGU-123			CT62	330			N/A	
S - Sulphur Hexafluoride		2017 ABB LTB145D1/B			DCB142	11			N/A	
Q - Insulating Oil		2017 KONCAR AGU-123			CT142	330			N/A	
S - Sulphur Hexafluoride		2017 ABB LTB145D1/B			DCB132	11			N/A	
Q - Insulating Oil		2017 KONCAR AGU-123			CT132	330			N/A	
S - Sulphur Hexafluoride		2017 ABB LTB145D1/B			DCB122	11			N/A	
Q - Insulating Oil		2017 KONCAR AGU-123			CT122	330			N/A	
S - Sulphur Hexafluoride		2017 ABB LTB145D1/B			DCB92	11			N/A	
Q - Insulating Oil		2017 KONCAR AGU-123			CT92	330			N/A	
Q - Insulating Oil		2017 KONCAR AGU-123			CT112	330			N/A	
Q - Insulating Oil		2017 KONCAR AGU-123			CT102	330			N/A	
Q - Insulating Oil		TYREE			T7	20200			Yes	
X1 - Miscellaneous	Silica Gel	REDOX			T7	20			N/A	
Q - Insulating Oil		TYREE			ET7	1520			Yes	
Q - Insulating Oil		TRANSFORMER WINDING SERVICES			NCT7	12			Yes	
Q - Insulating Oil		TYREE			T6	20200			Yes	
Q - Insulating Oil		TYREE			ET6	1520			Yes	335 Gal
Q - Insulating Oil		TRANSFORMER WINDING SERVICES			NCT6	12			Yes	
Q - Insulating Oil		TRANSFORMER WINDING SERVICES			CT8	300			N/A	
Q - Insulating Oil		ARTECHE			VT28	144			N/A	
X1 - Miscellaneous	Silica Gel	REDOX			T9	20			N/A	
Q - Insulating Oil		PAUWELS			T9	28475			Yes	
Q - Insulating Oil		ABB			ET9	780			No	
Q - Insulating Oil		ENERGY CONTROLS			NCT9	12			Yes	
Q - Insulating Oil		COMPTON GREAVES			T2	20400			Yes	
X1 - Miscellaneous	Silica Gel	REDOX			T2	20			N/A	
S - Sulphur Hexafluoride		AREVA GL312 F1			CB72	14			N/A	
Q - Insulating Oil		NISSIN FGCH 100			CT72	800			N/A	
Q - Insulating Oil		ARTECHE			VT72	65			N/A	
S - Sulphur Hexafluoride		AREVA DT1-145F1			CB78	44			N/A	
Q - Insulating Oil		ABB			VT47	660			N/A	3 x 220kg
Q - Insulating Oil		ARTECHE LTD 123			VT67	185			N/A	
Q - Insulating Oil		ARTECHE LTD 123			VT107	235			N/A	
S - Sulphur Hexafluoride		ABB			CB1098	0.75			N/A	
S - Sulphur Hexafluoride		2017 ABB LTB145D1/B			DCB172	11			N/A	
S - Sulphur Hexafluoride		2017 ABB LTB145D1/B			DCB62	11			N/A	
S - Sulphur Hexafluoride		2017 ABB LTB145D1/B			DCB82	11			N/A	
S - Sulphur Hexafluoride		2017 ABB LTB145D1/B			DCB102	11			N/A	
S - Sulphur Hexafluoride		2017 ABB LTB145D1/B			DCB112	11			N/A	
Q - Insulating Oil		COMPTON GREAVES			T5	20400			Yes	
X1 - Miscellaneous	Silica Gel	REDOX			T5	20			N/A	
Q - Insulating Oil		ABB			LS2	455			No	
Q - Insulating Oil		ARTECHE LTD 123			VT 97	185			No	
Q - Insulating Oil					VT 23	150			No	
Q - Insulating Oil					CT23	195			No	
Q - Insulating Oil		STEMAR ELECTRICAL PRODUCTS			NCT 5	12			Yes	
Q - Insulating Oil		STEMAR ELECTRICAL PRODUCTS			NCT 2	12			Yes	
Q - Insulating Oil		STEMAR ELECTRICAL PRODUCTS			NCT28	12			Yes	

HSNO Responsibilities		Name	Company	Function/Role	Approved Handler Certificate No.	Certificate Expiry Date
1	Person in Charge	Jimmy Schedel	Northpower	Manager	NA	
2	Approved Handler 1	Matt Wood	Northpower	Supervisor		7/11/2026
3	Approved Handler 2	Des Ngawhika	Northpower	Supervisor		18/11/2026

HSNO Certification Details

Required?	Certification Type?	Site	Certificate No.	Expiry date
No	Location Certificate	KAW - Kawerau - RSC2		
No	Stationary Container Certificate/s			

Stationary Container Certification (if required)							
Item	Type	Description	HS Type	Capacity	Certificate No.	Expiry date	Bunded OK?
1	Stationary Container 1						
2	Stationary Container 2						
3	Stationary Container 3						
4	Stationary Container 4						
5	Stationary Container 5						
6	Stationary Container 6						
7	Stationary Container 7						
8	Stationary Container 8						
9	Stationary Container 9						
10	Stationary Container 10						

Hazardous Substances Register - Summary Sheet										Quantity Values		2, 2, 3, 6, 8, 9,				DoubleClick to update Sign Type & Quantity Values			
Product Code	Site Name:	Kawerau	KAW	RSC2	Date of Inspection:	6/08/25	Surveyed by			Previous	Current								
	MSDS Available:	Yes	Emergency Response Plan on site:			Yes	Taila Garrick			9/08/2021	6/08/2025	2	2	3	4	5	6	8	9
	Product Name	Other Names	UN No.	UN Class.	Hazard Classification.	Quantity (Litres or Kgs)	Lts or Kgs	Comment											
S	Sulphur Hexafluoride	SF ₆ ; Sulphur fluoride	1080	2.2	Non Hazardous	302.45	Kgs	CAS 2551-62-4; Liquefied, non-flammable, odourless gas. Much denser than air (5.1). Ozone depleting chemical.			327.65	302.45		x					
M	Mercury		2809	8	6.1B; 6.5B; 6.8A; 6.9A; 8.1A; 9.1A; 9.2B; 9.3A		Ltrs	CAS 7439-97-6; Silvery corrosive and harmful liquid. Evolves toxic vapours. Forms explosive compounds with ammonia, amines and acetylene. Amalgamates with some metals.											
H	Hydrogen		1049	2.1	2.1.1A		Kgs	CAS 1333-74-0; Flammable odourless gas. Significantly less dense than air (0.07). If a leak occurs, high pressure jet of gas may catch fire and burn with a colourless flame. Identify if only in existing sealed equipment.											
P	Polychlorinated Biphenyls	PCB's	2315	9	6.8A, 6.9A and 9.1A		Ltrs	CAS 11097-69-1; Harmful by ingestion and skin contact. Possible carcinogen, environmental pollutant. Identify if only in existing sealed equipment.											
A	Asbestos		2212	9	9			CAS 1332-21-4; Mineral fibres of varying length. Non combustible. Inhalation of the dust of asbestos fibres is dangerous (carcinogen) and therefore exposure to the dust should be avoided at all times. Always prevent the generation of asbestos dust Crocidolite (blue asbestos) should be regarded as the most hazardous type of asbestos.											
BR	Battery Acid (replenishment)	Sulphuric Acid	1830	8	8.1D; 6.7A; 6.9A; 8.1A; 8.2B; 8.3A; 9.1D		Ltrs	CAS 7664-93-9; Colourless, oily liquid, density up to 1.840 kg/L. In the presence of moisture highly corrosive to most metals. Include the quantity of acid used for battery 'top-up'.											
BS	Battery Acid (sealed units)	Sulphuric Acid	1830	8	8.1D; 6.7A; 6.9A; 8.1A; 8.2B; 8.3A; 9.1D	1221	Ltrs	CAS 7664-93-9; Colourless, oily liquid, density up to 1.840 kg/L. In the presence of moisture highly corrosive to most metals.			1221	1221					x	x	x
BV	Battery Acid (vented units)	Sulphuric Acid	1830	8	8.1D; 6.7A; 6.9A; 8.1A; 8.2B; 8.3A; 9.1D		Ltrs	CAS 7664-93-9; Colourless, oily liquid, density up to 1.840 kg/L. In the presence of moisture highly corrosive to most metals.											
N	Ammonia Solution		2672	8	8		Ltrs	CAS 7664-41-7; Flammable; Corrosive											
O	Insulating Oil	Naphthenic Oil; Crude Oil - Low Flammability			3.1D; 6.1E; 6.3B; 6.7B; 9.1C	363220	Ltrs	CAS 8002-05-9; Identify if only in existing sealed equipment.			355570	363220		x			x		x
D	Diesel Oil	Automotive gas oil ADO	1202		3.1D; 6.1E; 6.3B; 6.7B; 9.1B		Ltrs	Detail storage quantity and container type (tank or drum)											
Ke/T	Kerosene Turpentine		1223 1299	3	3.1C; 6.1E; 6.3B; 9.1B		Ltrs	Identify if only in closed containers. CAS 9005-90-7; Mixture of resin and volatile oil. Immiscible with water.											
Su	Sulphur		1350	4.1	4.1.1B; 6.4A		Kgs	CAS 7704-34-9; Dry powdered form of solid; Flammable											
C	Cobalt Chloride	CoCl ₂ ; Cobalt	3089	4.1	4.1.1B; 6.4A; 6.5A; 6.5B; 6.7B; 6.8B; 6.9A		Kgs	CAS 7440-48-4; Metal powder, flammable, N.O.S.											
K	Cleaning Solutions						Ltrs												
L	Lubricating Oils						Ltrs	General lubricating oils used in miscellaneous equipment on site.											
V	Solvents (General)	Flammable Solvents, not otherwise stated (N.O.S)		3	3.1B; 6.4A; 9.1D		Ltrs												
G	Gas General (not listed below)						Ltrs												
Ga	Oxygen Bottle(s)		1072	2.2; 5.1	5.1.2A		Kgs	CAS 7782-44-7; Non-flammable, odourless gas. Strong supporter of combustion. Slightly denser than air (1.1). Combustible materials impregnated with oxygen may ignite readily.											
Gb	Acetylene Bottle(s)		1001	2.1	2.1.1A		Kgs	CAS 74-86-2; Flammable, dissolved gas with slight odour. Less dense than air (0.907). Contained in cylinders containing a solvent, usually acetone, and a porous mass. Rough handling and exposure to local heating should be avoided. Results of such rough handling or heating may be delayed explosion. Empty cylinders must be treated the same as full cylinders.											
Gc	Nitrogen Bottle(s)		1066	2.2	2.2		Kgs	CAS 7727-37-9; Non-flammable, non toxic and odourless gas. It is a simply asphixiant and in sufficient quantities can displace the oxygen levels to below those necessary to sustain life.											
Gd	Carbon Dioxide	Carbonic acid anhydride; Carbonic anhydride; Dry ice	1013	2.2	2.2		Ltrs	CAS 124-38-9; Compressed, liquified, non-flammable gas. Denser than air (1.5).											
Other chemical products on-site > 5 litres: (List hazardous chemical name below and add quantities and container types only as above)																			
X1	X1 - Miscellaneous	Silica Gel	...	...	...	180	Ltrs												
X2	X2 - Miscellaneous		...	...	...														
X3	X3 - Miscellaneous		...	...	...														

HSNO Responsibilities

Item	Type	Name	Role	Certificate No.	Expiry Date
1	Person in Charge	Jimmy Schedel	Manager	NA	
2	Approved Handler 1	Matt Wood	Supervisor		7/11/2026
3	Approved Handler 2	Des Ngawhika	Supervisor		18/11/2026

Location Certification

If required

Required	Site	Certificate No.	Expiry Date
No	KAW - Kawerau - RSC2		

Stationary Container Certification

			Required?	No	
Item	Type	Description	Certificate No.	Expiry	Bund OK?
1	Stationary Container 1				
2	Stationary Container 2				
3	Stationary Container 3				
4	Stationary Container 4				
5	Stationary Container 5				
6	Stationary Container 6				
7	Stationary Container 7				
8	Stationary Container 8				
9	Stationary Container 9				
10	Stationary Container 10				

Note 0
Note 1
Note 2

Used at HVDC sites for cleaning Mercury Arc Valves
Items identified by this colour shouldn't be kept on an unmanned site!
Items identified by this colour should be removed and replaced with an alternative product.

Sign F, HS Classes 2.2, 3, 6, 8, 9,



Hazardous Substances Register - Summary Sheet

Site name
Kawerau
Code
KAW
Group
RSC2
Surveyed on
6/08/25

HSR Revision
HSNO-KAW-Rev AUG 24.xlsm

Note - The actual sign layout may differ from the image above.