

The Department recommends that you contact the Department of Conservation Office closest to where the activity is proposed to discuss the application prior to completing the application forms. Please provide all information requested in as much detail as possible. Applicants will be advised if further information is required before this application can be processed by the Department.

This form is to be used when the proposed activity is the building or use of any private or commercial facility or structure on public conservation land managed by the Department of Conservation. Examples may include lease of land to erect an information centre; authorisation to erect a weather station; or construct or lease a private/commercial campground or lodge. This form is to be completed in conjunction with either Applicant Information Form 1a (longer term concession) or Applicant Information Form 1b (one-off concession) as appropriate.

Please complete this application form, attach Form 1a or Form 1b, and any other applicable forms and information and send to [permissions@doc.govt.nz](mailto:permissions@doc.govt.nz). The Department will process the application and issue a concession if it is satisfied that the application meets all the requirements for granting a concession under the Conservation Act 1987.

If you require extra space for answering please attach and label according to the relevant section.

---

## A. Description of Activity

Please describe the proposed activity in detail – where the site is located, please use NZTM GPS coordinates where possible, what you intend to use the building for, whether you intend to make any changes to the infrastructure.

Please include the name and status of the public conservation land, the size of the area for which you are applying and why this area has been chosen.

If necessary, attach further information including a map, a detailed site plan and drawings of proposal and label Attachment 3b:A.

Site Location: NZTM 1558324 E, 5380021 N

The Mount Murchison telecommunications facility was originally installed in 1995 as a TV transmitter and microwave repeater site for linking into the West Coast for TV3 analogue TV. There is now FM transmission and mobile radio communications on site.

The facility comprises a lattice tower with a Portacom building beneath the mast. The building is sub-divided into a transmitter room and a standby diesel generator room. There is also a bunded diesel fuel tank (cylindrical) a short distance from the building. The bund is covered by a corrugated iron enclosure (which opens to access the tank).

This area was chosen because of its superb outlook over the surrounding area so that as many people as possible in the region could receive TV signals.

---

## B. Alternative sites considered

If your application is to **build, extend or add** to any permanent or temporary structures or facilities on public conservation land, please provide the following details:

- Could this structure or facility be reasonably located outside public conservation land? Provide details of other sites/areas considered.
- Could any potential adverse effects be significantly less (and/or different) in another conservation area or another part of the conservation area to which the application relates? Give details/reasons

The facility was built 25 years ago. When the facility was established by JDA on behalf of TV3 Network Services for TV broadcast, it was essential to have all analogue TV programs (TVNZ and TV3) originating from the same site as the public's TV antennas are directional and point at the single transmission site that provides coverage that region. This is common practice in TV broadcasting.

---

### C. Larger area

Is the size of the area you are applying for **larger** than the structure/facility **YES**

If **yes**, please detail the size difference in the box below, and answer the following 3 questions, if **no** please go on to the next section:

Needs slightly more land to support the mast, building and generator (see photos).

Is this necessary for safety or security purposes? **YES**

Is this necessary as an integral part of the activity? **YES**

Is this essential to carrying on the activity? **YES**

If the answer to any of the above is yes, please provide details and attach supporting evidence if necessary and label Attachment 3b:C.

Site is used by Kordia (adjacent) and others and must be secure from intruders.

The site is inaccessible to the public. Locked gate at the bottom of the track.

---

### D. Exclusive possession

Do you believe you need **exclusive possession** of the public conservation land on which your structure/building is located, ie no one else can use the land during your use of it? **YES**

*(Exclusive occupation requires a lease which requires public notification of the application)*

If **yes**, please answer the following 3 questions, if no please go to the next section:

Is exclusive possession necessary to protect public safety? **NO**

Is exclusive possession necessary to protect physical security of the activity? **YES**

Is exclusive possession necessary for the competent operation of the activity? **NO**

If the answer to any of the above is yes, please provide details and attach supporting evidence if necessary and label Attachment 3b:D.

Other telecommunications operators (eg. Kordia) are on the adjacent site but as a group of telecommunications operators we need exclusive possession.

There exists a fall hazard associated with the transmission tower should any unauthorised person attempt to climb it. There are signs on the tower warning people not to climb it.

Vandalism or theft of diesel fuel needs to be prevented to ensure reliable operation of the facility.

The track leading to the site is subject to heavy snowfall which could strand members of the public should they choose to attempt to use it without a proper 4WD vehicle and proper training in its use. There's no fence around the site but the access track has a locked gate at the bottom of the hill.

There is a risk of ice falling off the tower in winter which could cause serious harm or even a fatality if it were to land on someone.

---

## **E. Technical Specifications (for telecommunications sites only)**

**Frequencies on which the equipment is to operate**

**Power to be used (transmitter output)**

**Polarisation of the signal**

**Type of antennae**

The likely portion of a 24 hour period that transmitting will occur

Heaviest period of use

See attached.

---

## F. Term

Please detail the length of the term sought (i.e. number of years or months) and why.

*Note: An application for a concession for a period over 10 years must be publicly notified, an application for a concession up to 10 years will not be publicly notified unless the adverse effects of the activity are such that it is required, or if an exclusive interest in the land is required.*

30 years. It is anticipated that this site will continue to be useful for wireless services indefinitely.

---

## G. Bulk fuel storage

Under the Hazardous Substances and New Organisms Act 1996 (HSNO Act) 'Bulk fuel storage' is considered to be any single container, stationary or mobile, used or unused, that has a capacity in excess of 250 litres of Class 3 fuel types. This includes petrol, diesel, aviation gasoline, kerosene and Jet A1. For more information on Hazardous Substances, go to: <http://www.business.govt.nz/worksafe/information-guidance/legal-framework/hsno-act-1996>

Do you intend to store fuel in bulk on the land as part of the activity?

**YES**

If you have answered yes, then please provide full details of how and where you intend to store the fuel, and label any attachments including plans, maps and/or photographs as Attachment 3b:G. If your concession application is approved you will be required to provide a copy of your HSNO compliance certification to the Department before you begin the activity.

See Attached.

## H. Environmental Impact Assessment

This section is one of the most important factors that will determine the Department's decision on the application. Please answer in detail.

In column 1 please list all the locations of your proposal, please use NZTM GPS coordinates where possible. In column 2 list any special features of the environment or the recreation values of that area. Then in column 3 list any effects (positive or adverse) that your activity may have on the values or features in column 2. In column 4 list the ways you intend to mitigate, remedy or avoid any adverse effects noted in column 3. Please add extra information or supporting evidence as necessary and label Attachment 3b:H.

Refer to Steps 1 and 2 in your Guide to Environmental Impact Assessment to help you fill in this section.

Location on public conservation land	Special feature or value	Potential effects of your activity on the feature or value (positive or adverse)	Methods to remedy, mitigate or avoid any adverse effects identified
<i>Mt. Murchison</i>	Northern rata - threatened species	FM broadcast services to the public.	All personnel with access to the site are required to undergo induction to ensure they are aware of any risks that may exist when working at the site.
<u>Site Location:</u> NZTM 1558324 E, 5380021 N		Civil Defence communication facility.	All personnel have appropriate training and qualifications to work at the site.
		NZ Police communication facility.	Road maintained to good four wheel drive condition. Access prohibited if snow cover makes access too difficult or impossible
		Storage of flammable fuel (necessary for continuous operation of above services during power failures).	
		Difficult access especially in winter.	

Mt. Campbell Communications and Nelspecs collectively have extensive land mobile radio installations at this site which provides 2 way radio services to businesses over the entire region.

---

## **I. Other**

Is there any further information you wish to supply in support of your application? Please attach if necessary and label Attachment 3a:I.

This installation has been running for about 25 years. It serves the public with FM radio, NZ Police, Civil Defence and more and so is an important facility for public safety. FM radio is the prime media for communication between Police or Civil Defence and the public in an emergency that requires evacuation (car radios).

## G. Bulk Fuel Storage

The facility has a backup power generator to provide continuous operation should the power grid fail. This is essential for broadcasters, the NZ Police and Civil Defence.

The fuel tank is bunded, holding up to 1,000 litres of diesel. The tank is inside a corrugated iron container with a lid to provide lockable access.







The Department recommends that you contact the Department of Conservation Office closest to where the activity is proposed to discuss the application prior to completing the application forms. Please provide all information requested in as much detail as possible. Applicants will be advised if further information is required before this application can be processed by the Department.

This form is to be used when the proposed activity involves any access across public conservation land, and is to be completed in conjunction with either Applicant Information Form 1a (longer term concession) or Applicant Information Form 1b (one-off concession) as appropriate. Examples of this type of activity are:

- a right to convey water:
- a right to drain water:
- a right to drain sewage:
- a right of way (access):
- a right to convey electricity:
- a right to convey telecommunications and computer media:
- a right to convey gas.

Please complete this application form, attach Form 1a or Form 1b, and any other applicable forms and information and send to [permissions@doc.govt.nz](mailto:permissions@doc.govt.nz). The Department will process the application and issue a concession if it is satisfied that the application meets all the requirements for granting a concession under the Conservation Act 1987.

If you require extra space for answering please attach and label according to the relevant section.

---

## A. Description of Activity

Please describe in detail the proposed activity, eg an accessway, cable or pipeline. Please include any details of construction eg location, building dimensions, materials, purpose, number of people and vehicles involved etc

Please include the name and status of the public conservation land, the size of the area you are applying for and why this area has been chosen.

Provide information about when and how the easement area will be used.

Please attach a map of the site, a detailed site plan and drawings of proposal (as necessary). If possible include photographs of the site. Any attachments should be labelled Attachment 3c:A.

Lattice telecommunications tower with equipment building underneath the tower. Facility includes a diesel generator and 1,000 litre fuel tank. The tank has a compliance certificate.

Site is accessible by a track suitable for four wheel drive vehicles. The track has a locked gate at the bottom of the mountain and there is no public access.

The mast is 20 metres tall and sits on an area approximately 15 metres by 15 metres.

Photos attached.

If you wish to build, extend or add to any **permanent or temporary structures** on public conservation land (eg pumpsheds, toilets, fences, storage facilities). Please provide the following details:

- Could this structure or facility be reasonably located outside public conservation land? Provide details of other sites/areas considered.
- Could any potential adverse effects be significantly less (and/or different) in another conservation area or another part of the conservation area to which the application relates? Give details/reasons

This site was established as a telecommunications facility 25 years ago and is used by several telecommunications operators including Kordia, NZ Police, Civil Defence, FM broadcasters and land mobile radio services.

It was chosen for its unique outlook over the populated areas in the Murchison region. Being at the top of the mountain means that it can provide radio coverage in all directions with no close terrain obstructions.

It makes sense to use one location for multiple facilities rather than having several scattered around the region. The access track and power lines can be shared by all users.

---

## **B. Term**

Please detail the length of the term sought (i.e. number of years or months) and why.

*Note: An application for an easement will not be publicly notified unless the adverse effects of the activity are such that it is required, or if an exclusive interest in the land is required.*

30 years. It is anticipated that demand for this facility will continue indefinitely and 30 years has been suggested by DoC staff.

---

## C. Environmental Impact Assessment

This section is one of the most important factors that will determine the Department's decision on the application. Please answer in detail.

In column 1 please list all the locations of your proposal. In column 2 list any special features of the environment or the recreation values of that area. Then in column 3 list any effects (positive or adverse) that your activity may have on the values or features in column 2. In column 4 list the ways you intend to mitigate, remedy or avoid any adverse effects noted in column 3. Please add extra information or supporting evidence as necessary and label Attachment 3a:C.

Refer to Steps 1 and 2 in your Guide to Environmental Impact Assessment to help you fill in this section.

Location on public conservation land	Special feature or value	Potential effects of your activity on the feature or value (positive or adverse)	Methods to remedy, mitigate or avoid any adverse effects identified
<i>Peak of Mt. Murchison Google Earth photo attached.</i>	<i>Superb outlook over residents in the Murchison region. Provides good radio coverage.</i>	<i>Facility was established 25 years ago. No further impact is expected or likely.</i>	<i>Established facility.</i>

---

**D. Other**

Is there any further information you wish to supply in support of your application? Please attach if necessary and label Form 3c:D



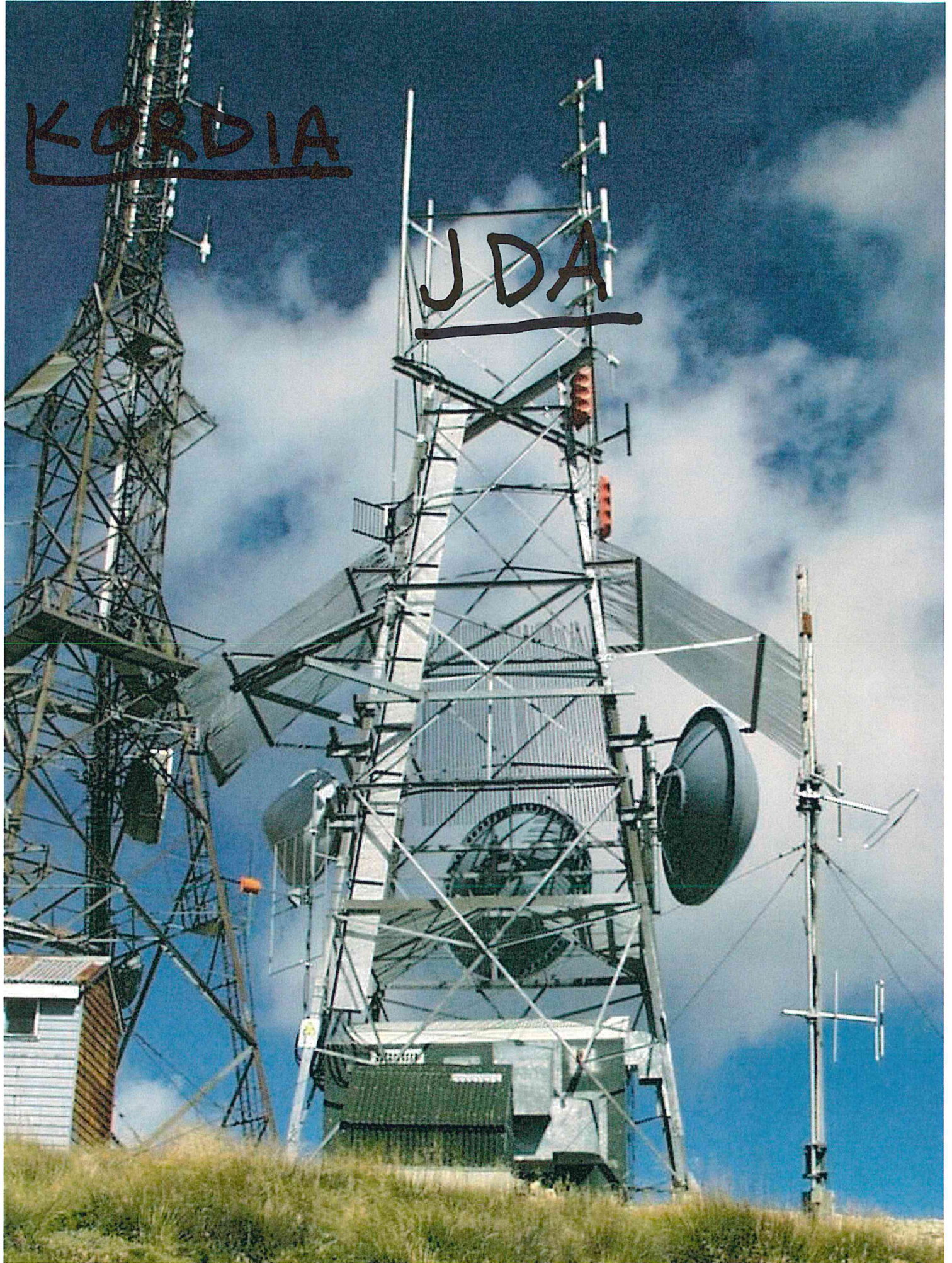
Google Earth

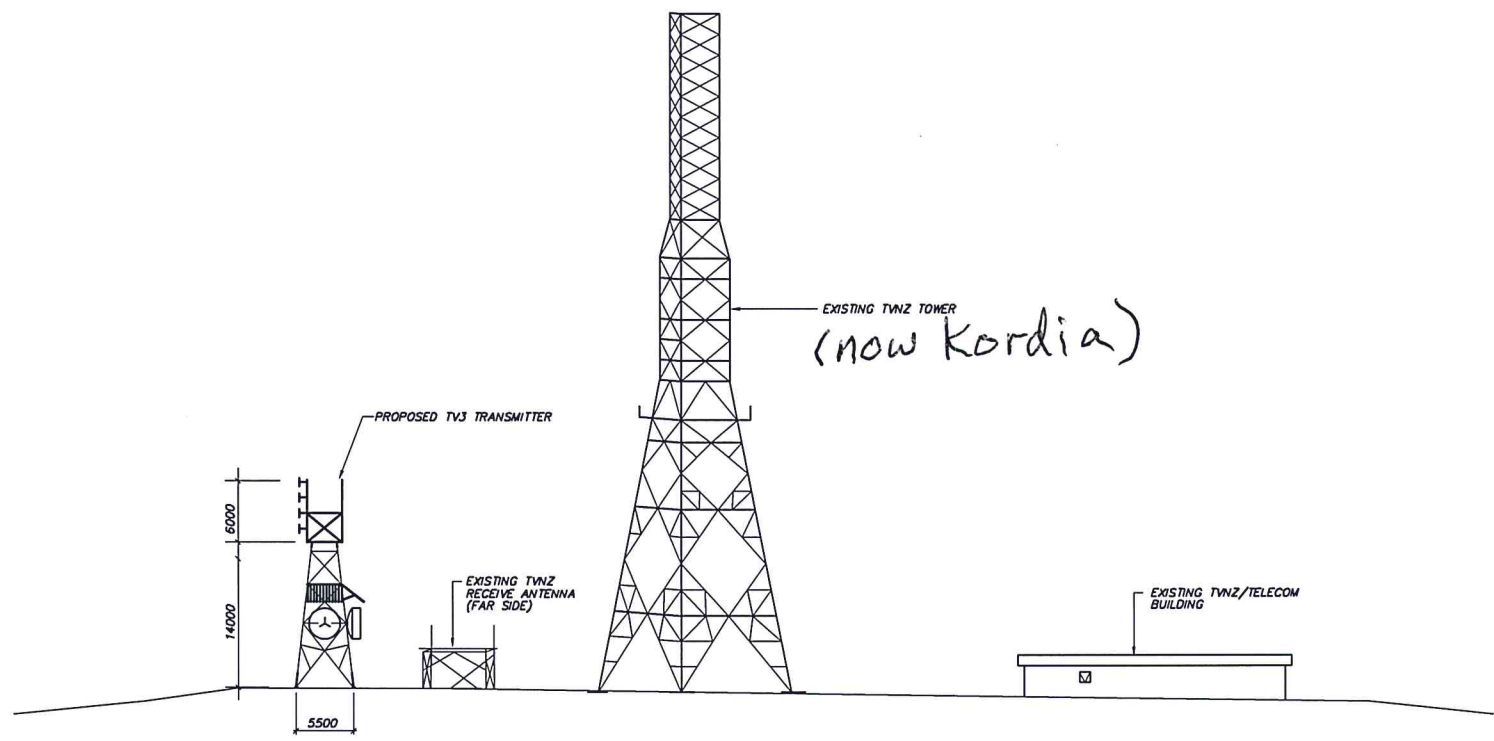




KORDIA

JDA





**SECTION A-A**  
SCALE: 1:200

R2	STRUCTURAL ALTERATION	10/8
R1	PROJECT TITLE CHANGED	30/4
No.	Revisions	Date
Designed	T.H	Date 4.96
Drawn	J.K	23.4.96
Checked		
Approved		
File	B385/	Ref SEC-1P-

Client  
**TV3  
NETWORK SERVICES LTD.**

Project  
**WEST COAST MICROWAVE  
AND TV TRANSMISSION  
LINKING FACILITY  
MURCHISON**

Sheet Title  
**CROSS SECTION**

Job No.	Sheet No.	Revision
40280	G-02	R2
	of	shts

**Duffill Watts & King Ltd**  
CONSULTING ENGINEERS



## E. Technical Specifications

<u>Murchison Users and Frequencies</u>	<u>Frequency</u>	<u>Transmitter Power</u>				
	(MHz)	(Watts)	<u>Polarisation</u>	<u>Antenna</u>	<u>Usage</u>	<u>Highest Usage</u>
Mt. Campbell Communications	151.1500	25	Vertical	Dipole	24/7	
	429.9750	100	Vertical	Dipole	24/7	
	457.2750	50	Vertical	Dipole	24/7	
	2600.0000	23 dBW EIRP	Mixed	Dish	24/7	
NZ Police	76.4375	24	Vertical	Dipole	24/7	24/7
	426.7000	17 dBW EIRP	Vertical	Cnr Rfl	24/7	24/7
	459.5875	17 dBW EIRP	Vertical	Cnr Rfl	24/7	24/7
	459.5525	17 dBW EIRP	Vertical	Cnr Rfl	24/7	24/7
Civil Defence	142.6625	14 dBW EIRP	Vertical	Dipole	Infrequent	-
Mediaworks Radio	94.1000	150	Vertical	4 Dipoles	24/7	24/7
Rhema Broadcasting Group	97.3000	150	Vertical	4 Dipoles	24/7	24/7
Nelspecs	165.3125	15.2 dBW EIRP	Vertical	Dipole	24/7	24/7



## BULK FUEL REQUEST FOR DETAILS

### General Guidance

#### ***Inventory scope***

The Department of Conservation requires that all fuel stored on public conservation land complies with the Hazardous Substances and New Organisms Act 1996 (HSNO Act). Although this Act applies to all fuels, the fuels that we specifically require you to inventory are diesel, petrol, AvGas and JetA1 fuel tanks **greater than 250 litres total capacity, whether used or not**. Fuel drums are out of scope.

#### ***How to provide your information***

Please provide your information in the attached template, and save as a Microsoft Word document.

#### ***Inventory required***

This request is in four parts: tank location, tank details, additional comments and tank photographs.

Please enter details in a separate template for each tank that you may have.

#### ***Coordinates required***

These are 7 digits.

If sourced from your GPS collect the coordinates in NZTM 2000

Alternatively please contact your local Department of Conservation office to obtain assistance with finding coordinates for your bulk fuel tank/s. Office details can be located on the DOC website: <http://www.doc.govt.nz/footer-links/contact-us/office-by-name/>

#### ***Stationary Container Test Certificate requirement***

A Stationary Container System Test Certificate for diesel, petrol, AvGas and JetA1 fuel is required for:

- any below ground tank of more than 250 litres;
- a stationary above ground tank of more than 2,500 litres containing or intending to contain a hazardous substance of class 3.1A (e.g. petrol);
- a stationary above ground tank of more than 5,000 litres containing or intending to contain a hazardous substance of any other classification (e.g. diesel);
- a stationary above ground tank of more than 50 litres containing petrol supplying an internal combustion engine (e.g. generator);
- a stationary above ground tank of more than 500 litres containing diesel supplying an internal combustion engine (e.g. generator);
- a stationary above ground tank of more than 60 litres containing any class 3.1 substance (e.g. petrol or diesel) supplying a burner.

#### ***Location Test Certificate requirement***

A Location Test Certificate applies to the site and is limited to sites where flammable substances are stored (e.g. petrol).

For more information on Hazardous Substances, go to:

<http://www.business.govt.nz/worksafe/information-guidance/legal-framework/hsno-act-1996>



## Bulk Fuel Tank Inventory Template

### 1. Tank location details

<b>Applicant Name</b>	Johnston Dick & Associates (JDA)
<b>Location Name</b> (a short and unique name for the site)	Mt. Murchison
<b>Concession/Permission number if known</b>	
<b>Easting Coordinate</b> (e.g. 1854678)	2468300
<b>Northing Coordinate</b> (e.g. 5678345)	5941700
<b>Emergency Response Plan</b>	Yes
<b>Owner of the tank at this location</b>	Johnston Dick & Associates (JDA)

### 2. Tank details

<b>Substance</b>	Diesel
<b>Total Capacity (L)</b>	1000
<b>Is the tank below ground?</b>	No
<b>Is the tank in use?</b>	Yes
<b>Does the tank have secondary containment?</b>	Yes
<b>Secondary Containment type</b>	Bund and shelter
<b>Does the tank have a Stationary Container Test Certificate?</b>	Yes. Attached
<b>Does the tank have a Location Test Certificate?</b>	Yes
<b>What is the tank connected to?</b>	Engine

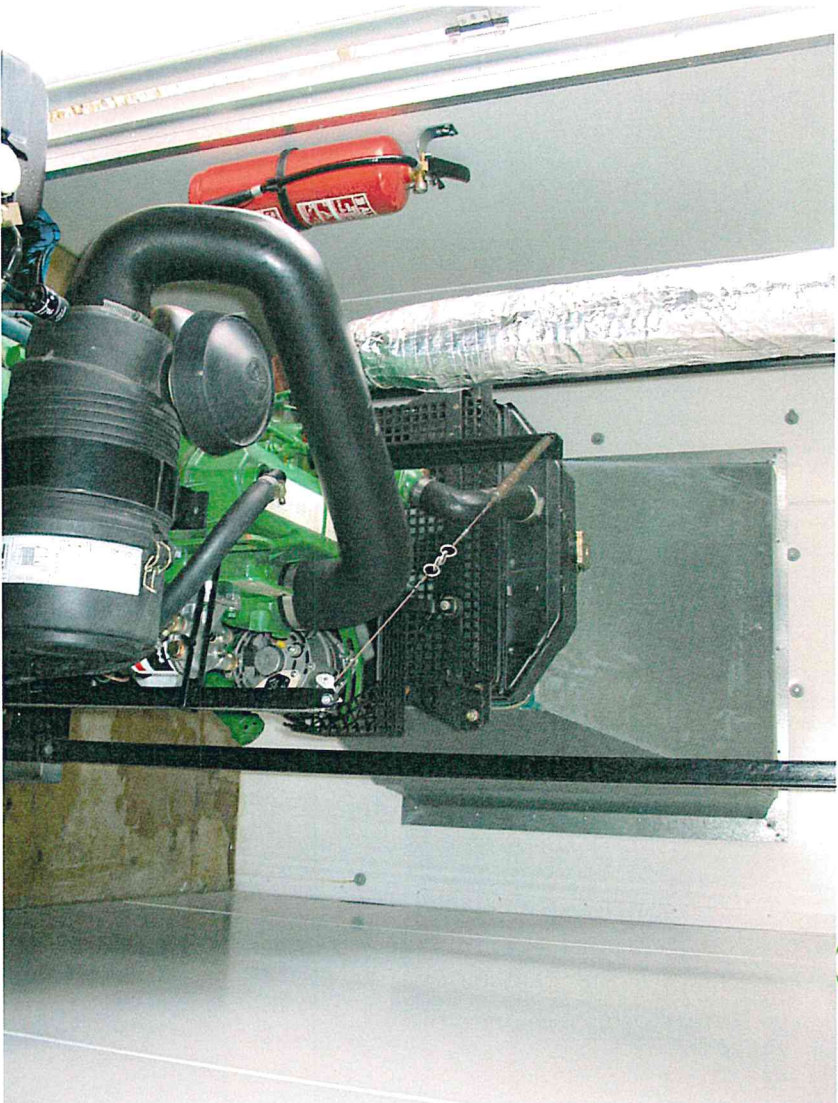
**3. Additional comments** (any additional information you would like to supply?):

### 4. Tank photo requirements

Several photos are required for each inventoried tank at a location as follows:

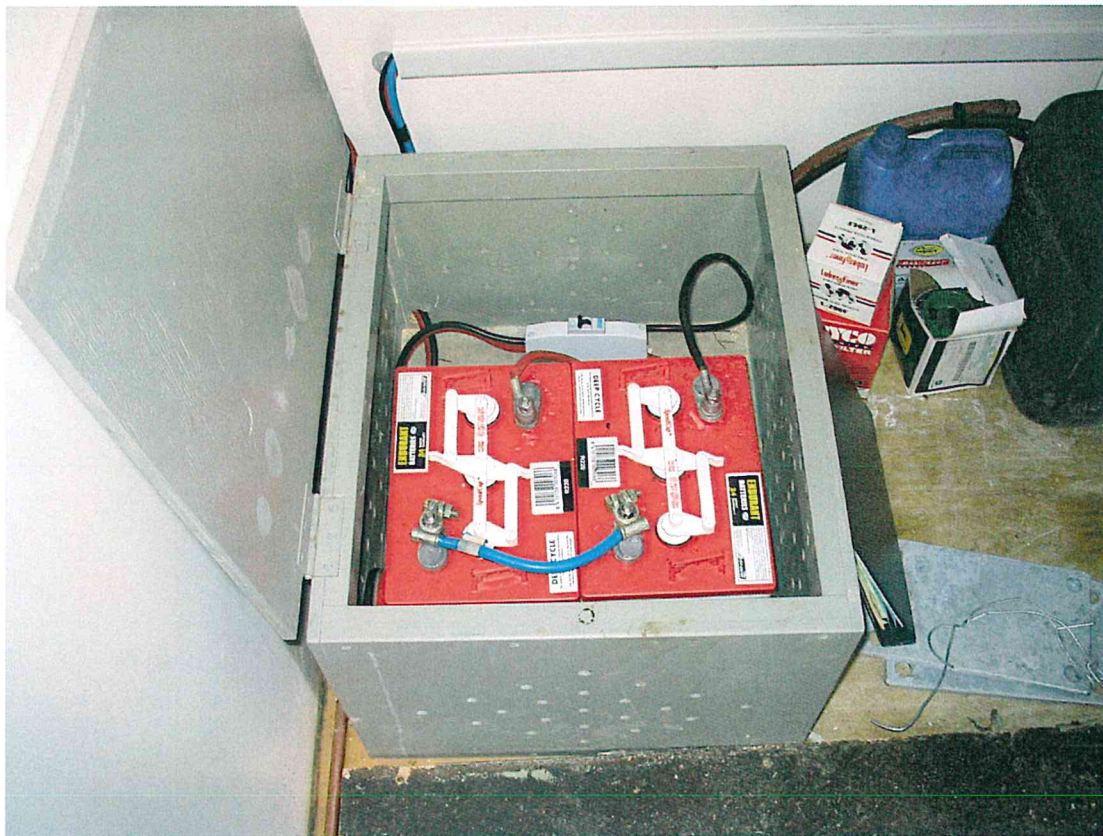
- a) General – picture or two of the overall tank and where it is situated
- b) Nameplate – if any (this is a manufacturer label attached to the tank that gives details about the tank)
- c) Signage on the tank
- d) Outlet valve – where the fuel comes out of the tank
- e) Secondary Containment – if the tank is in a bund
- f) Hook-up to generator or burner (overall view of how the tank is connected to the generator or burner if applicable)

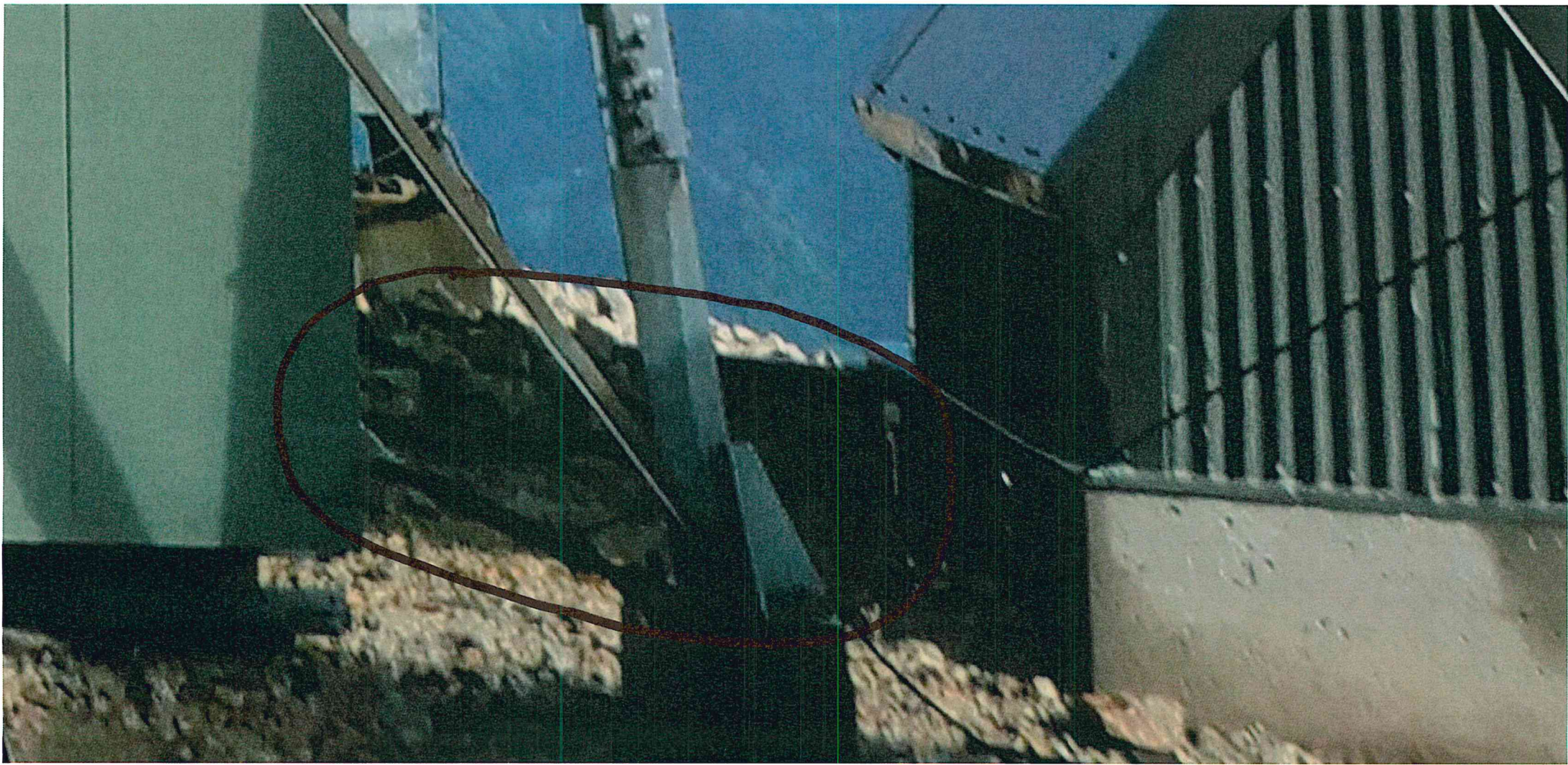
All these photos should be collated in this Word document.



Department of  
Conservation  
Te Papa Atawhai







TWO COPPER PIPES FEED DIESEL TO GENERATOR. PIPES ARE SHIELDED AND BURIED UNDER ROCKS TO PROTECT THEM FROM FALLING ICE.

# COMPLIANCE CERTIFICATE

## Stationary Container Systems

Issued in accordance with regulations 6.23 and 17.91 of the Health and Safety at Work (Hazardous Substances) Regulations 2017

This certificate certifies that the requirements prescribed in regulation 17.91 for a stationary container system compliance certificate have been met

**Unique Register Number:** CER-0002-016759      **CC Certificate Number:** SCSC02418  
**Company / Legal Entity:** J.D.A. LIMITED  
**Postal Address:** 5 Charles Street, Mount Eden, Auckland, 1024  
**Companies Office No.:**      **NZBN:** 9429039270443  
**Full Name:** Bhawana Singh  
**Email Address:** bhawana@jda.co.nz      **Primary Phone Number:** 021 424037

### Site Details:

**Site Description:** TV3 Transmitter Tower standby Generator Diesel Tank  
**Physical Address:** On Top of Mt Murchison, Mt Murchison  
**GPS Coordinates:** -41.7289 , 172.4994

### 1. Stationary Container

**Tank Serial Number:** Unknown  
**Tank Type:** Above Ground Stationary Tank  
**Maximum Quantity:** 1000 Litres  
**Year of Manufacture:** Unknown – Pre 1/7/2006  
**Tank Details:** Single Skin A/Ground Steel Tank is an Concrete Tube Bund  
**Design Specifications:** SWI: Management of pre-2006 stationary container systems up to 60,000 L

### Certified for Substances:

**Name:** Diesel      **Class(es):** 3.1D


### Ancillary Equipment

**Equipment Type:** Other  
**Approval Details/Numbers:** Marelli Motor SRL, Alternator-Generator 30 KVA, Model M7B160MB4

**Issued Date:**  
28 October 2018

**Date Comes Into Force:**  
28 October 2018

**Expiry Date:**  
27 October 2021



Peter Roche  
Worksafe Authorised Compliance Certifier (TST000002)



**HAZKNOW LTD**  
HAZARDOUS SUBSTANCE CONSULTING AND TRAINING

[hazknow@gmail.com](mailto: hazknow@gmail.com)

+64 21 470278

PO Box 40-395, UPPER HUTT, 5140