

**PERMISSION FOR USE OF  
VERTEBRATE TOXIC AGENT(S) AND  
OTHER HAZARDOUS SUBSTANCE(S)**

Approved Hazardous Substance Permission Form Version 5: 14 June 2018

Pursuant to section 95A of the  
Hazardous Substances and New Organisms Act 1996

To: [REDACTED]

Of: Auckland Council  
24 Wellesley Street,  
Auckland 1010  
Private Bag 92300,  
Victoria Street West, Auckland 1142  
Phone: 09 301 01 01  
Cell Phone: [REDACTED]

Application Identification Code: 18/02/[REDACTED]ARPHS

Operation Name: Hunua Ranges Aerial 1080 and Ground Based Operation

Application Location: Park land in the Hunua Ranges area, including Waharau and Whakatiwai Regional parks and the Department of Conservation (DOC) administered Matakaitai Scenic Reserve, Tai Rawhiti Scenic Reserve, Papa Turoa Scenic Reserve, Whakatiri Scenic Reserve, Mangatawhiri Forest Conservation Area, Vining Scenic Reserve, and Richard Sylvan Memorial Reserve, Plows Road Conservation area (DOC), Paparimu Road Conservation area (DOC), Matakaitai conservation area (DOC) and some adjoining private land. Approximate treatment area of 30,501 Ha.

Territorial Local Authority(s): Auckland Council and Waikato Council

Purpose of Operation: Possum, rat and stoat ground and aerial control

[REDACTED], being a person acting under powers delegated by the Environmental Protection Authority (the Authority), GRANT PERMISSION for the USE of the vertebrate toxic agent(s) and/or other hazardous substance(s) listed in SCHEDULE 1, in the area(s) indicated on the maps in SCHEDULE 3, subject to the CONDITIONS set out in SCHEDULE 1 and SCHEDULE 2 attached hereto for those hazardous substance(s);

Between: 27 August 2018 (start date) and 31 December 2018 (end date)

(For use when amending/revoking existing permissions – leave blank if not applicable)

This Permission replaces the Permission issued on (date):

Application Identification Code of replaced/revoked Permission:

Signed: [REDACTED]

Name: [REDACTED]

Title: Medical Officer of Health and HSNO Warranted Enforcement Officer

**Date Issued:** 27/08/2018

**Expiry Date:** 31/12/2018

**Contact Persons:**

All reporting:

[Redacted]

Water test results/ water incidents:

[Redacted]

After hours (1700h – 0830h):

**AUCKLAND REGIONAL PUBLIC HEALTH SERVICE after-hours answer service (09) 6234600. Call details will be put through to the on-call Health Protection Officer for Environmental Health, who will escalate to the on call Medical Officer of Health if appropriate.**

**Appeals:** Section 125 (1A) of the Hazardous Substances and New Organisms (HSNO) Act: A person may appeal to the District Court against a decision of the Authority, under section 95A about the terms and conditions of a permission held by the person.

**Notice of Appeal:** Section 127 of the HSNO Act: Before or immediately after the filing and service of a notice of appeal, the appellant shall serve a copy of the notice on the Authority, and every other party to the proceedings, and any other person who made a submission to the Authority.

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<sup>1</sup> Expiry date refers to expiration date of the permission and not to the application of the VTA and/or other hazardous substance.

**PERMISSION CONDITIONS:**  
**SCHEDULE 1 (Vertebrate Toxic Agent(s) and/or other Hazardous Substance(s))**

Application Identification Code: **18/02/DB/ARPHS**

Application Location: Park land in the Hunua Ranges area, including Waharau and Whakatiwai Regional parks and the Department of Conservation (DOC) administered Mataitai Scenic Reserve, Tai Rawhiti Scenic Reserve, Papa Turoa Scenic Reserve, Whakatiri Scenic Reserve, Mangatawhiri Forest Conservation Area, Vining Scenic Reserve, and Richard Sylvan Memorial Reserve, Plows Road Conservation area (DOC), Paparimu Road Conservation area (DOC), Mataitai conservation area (DOC) and some adjoining private land Approximate treatment area of 30,501 Ha.

**Vertebrate Toxic Agent or other Hazardous Substance Information** (take from p3&4 of the application form as appropriate- modify based on risk assessment ) Print additional copies of this page if more than 3 vertebrate toxic agent(s) and/or other hazardous substances are to be used

Vertebrate Toxic Agent or other Hazardous substance	Strength g/kg	Form	Application rate <sup>2</sup>
<b>Sodium fluoroacetate (1080)</b>	<b>1.5g/kg</b>	<b>12g Pellets</b>	<b>2kg/Ha</b>

HSNO Approval Number: HSR002424

Start Date of application: **27/08/2018**

Last Date of application: **31/12/2018**

Methods of application for this vertebrate toxic agent or other hazardous substance allowed under this permission:

Aerial broadcast and trickle bucket application

**Vertebrate Toxic Agent or other Hazardous Substance Information**

Vertebrate Toxic Agent or other Hazardous substance	Strength g/kg	Form	Application rate
<b>Potassium Cyanide</b>	<b>475g/kg</b>	<b>240mg Pellets</b>	<b>2.16g/Ha</b>

HSNO Approval Number: HSR002741 as per EPA website.

Start Date of application: **27/08/2018**

Last Date of application: **31/12/2018**

<sup>2</sup> For aerial application only. A maximum application rate applies for some hazardous substances, eg HSR002424.

Methods of application for this vertebrate toxic agent or other hazardous substance allowed under this permission:

Pellets encased in small amount of non toxic ferafeed paste and all enclosed in a blue bait station bio bag labelled for feratox.

Hand-laid/ground operation.

1800mm from the ground.

**PERMISSION CONDITIONS:**  
**SCHEDULE 2 (Vertebrate Toxic Agent(s) and/or other Hazardous Substance(s))**

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Application Identification Code: **18/02/DB/ARPHS**

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Application Location: Park land in the Hunua Ranges area, including Waharau and Whakatiwai Regional parks and the Department of Conservation (DOC) administered Matakaitai Scenic Reserve, Tai Rawhiti Scenic Reserve, Papa Turoa Scenic Reserve, Whakatiri Scenic Reserve, Mangatawhiri Forest Conservation Area, Vining Scenic Reserve, and Richard Sylvan Memorial Reserve, Plows Road Conservation area (DOC), Papanui Road Conservation area (DOC), Matakaitai conservation area (DOC) and some adjoining private land. Approximate treatment area of 30,501 Ha.

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**The requirements specified under the Hazardous Substances and New Organisms 1996 (HSNO) Act, its regulations, EPA Notices and Approvals for Vertebrate Toxic Agents and other hazardous substances granted under the HSNO Act and Health and Safety at Work (Hazardous Substances) Regulations 2017 are requirements, which must be met.**

**A person acting under a delegation from the Authority may impose additional conditions to address local circumstances. In addition to requirements specified under the HSNO Act and HSW (Hazardous Substances) Regulations, the following conditions shall apply:**

**CONDITION 1: Start Date**

The applicant shall advise **Auckland Regional Public Health Service (AUCKLAND REGIONAL PUBLIC HEALTH SERVICE)** of the commencement of the application of the VTA(s), in writing, at least 24 hours before commencing each application.

**CONDITION 2: Changes to Permission**

The applicant shall advise **Auckland Regional Public Health Service** in writing of any material changes to the applicant's proposed operation (such as changes in operational areas and application types/rates).

**CONDITION 3: Warning Sign Removal**

Removal of warning signage is regulated by WorkSafe NZ under the Health and Safety at Work (Hazardous Substances) Regulations 2017, regulation 13.9 (6) as follows:

### **13.9 Signage requirements for vertebrate toxic agents**

- (6) The PCBU must ensure that the signs remain until –
- (a) a period of time specified by WorkSafe for the substance has elapsed; or
  - (b) the substance has been retrieved from the place concerned; or
  - (c) the substance is no longer toxic.

In addition, the applicant shall advise **Auckland Regional Public Health Service** in writing of their intention to remove warning signs from the operational area.

### **CONDITION 4: Complaints and Incidents**

Any incidents or complaints relating to the operation that **impact on public health** shall be reported to **Auckland Regional Public Health Service** as soon as possible and within 24 hours of the incidents or complaints.

In addition, any incidents or complaints relating to the operation which are in breach of the conditions of the application shall be reported to **Auckland Regional Public Health Service** as soon as possible and within 24 hours.

### **CONDITION 5: Duration of Permission**

This approval is granted for the period commencing **Monday 27<sup>th</sup> August 2018 to Monday 31<sup>th</sup> December 2018**. **Auckland Regional Public Health Service** must be notified if there is any alteration to the intended date of the application.

If the applicant wishes to continue the operation after this date, they must seek permission **from Auckland Regional Public Health Service** as soon as possible and at least two weeks before the expiry date of the original approval period.

Within the duration of this permission toxins may not be applied in publically accessible areas during school holidays or within 24 hours of the start of such holidays.

No operation may be extended beyond 12 months from the original start date i.e. **Monday 27<sup>th</sup> August 2018.**

#### **CONDITION 6: Landowner Notification**

The applicant must meet all the requirements of the EPA controls relating to landowner notification under the Hazardous Substances and New Organisms Act 2006, section 77A, for cereal based pellets containing 1.5-2.0g sodium fluoroacetate/kg. These may be accessed online at <https://www.epa.govt.nz/database-search/approved-hazardous-substances-with-controls/view/39609> under 'HSNO Additional controls'; Regulation: 77A; Description: Notification of aerial or ground-based operations; Variation: as follows –

(1) No person may apply, or engage another person to apply, this substance by aerial application or ground-based application unless the person has given notice of the proposed application to occupiers and, as far as practicable owners, of land, dwellings or buildings immediately abutting the application area.

(2) The notice referred to in subclause (1) must—

(a) be given with sufficient prior notification, but no more than 2 months, before the proposed application and, if requested by the person notified, shall be repeated at a mutually agreed time before the proposed application; and

(b) specify the following:

- (i) the approximate date on which the substance will be applied:
- (ii) the name and nature of the substance:
- (iii) a description of the area over which the substance will be applied, including—
  - (A) the boundaries of the area; and
  - (B) districts, roads, and other commonly known features that may identify the place:
- (iv) the name and address of the person responsible for the application of the substance.

In addition to the EPA controls, **Auckland Regional Public Health Service** requires that the notice shall specify:

- (v) information on safety and precautions with respect to the VTA(s) being used.

All of the above landowner requirements for 1080 application also apply to cyanide application.

#### **CONDITION 7: School Notification**

Before commencing the operation, the applicant shall notify schools, kōhanga reo, kindergartens and early childhood centres that are known to use the operational area. The notice must be given sufficiently prior to, but within two months of, the proposed application of the VTA(s).

If requested by the institution notified, notification shall be repeated at a mutually agreed time before the proposed application. The notice shall specify:

- i. the approximate date on which the VTA(s) will be applied
- ii. the name and nature of the VTA(s) (s)
- iii. a description of the area over which the VTA will be applied
- iv. the name and address of the person responsible for applying the VTA(s)
- v. information on safety and precautions with respect to the VTA(s) being used.

#### **CONDITION 8: Health Services Notification**

The applicant shall notify the nearest/local health services of the proposed application of the VTA(s). Nearest/local health services include GPs and other primary health services, ambulance services and hospitals.

- Middlemore Hospital
- St Johns Central
- Papakura Marae Health Clinic.
- Other related service providers , such as vets and the police.

The notice must be given sufficiently prior to, but within two months of, the proposed application of the VTA(s). The notice shall specify:

- i. the approximate date on which the VTA(s) will be applied
- ii. the name and nature of the VTA(s)
- iii. a description of the area over which the VTA(s) will be applied
- iv. the name and address of the person responsible for applying the VTA(s)
- v. information on safety and precautions with respect to the VTA(s) being used.  
This should include the formulation and dose of 1080 per cereal pellet to assist with determining patients' health risk associated with any suspected poisonings.

### **CONDITION 9: Public Notification**

The applicant must meet all the requirements of the EPA controls relating to public notification under the Hazardous Substances and New Organisms Act 2006, section 77A, for cereal based pellets containing 1.5-2.0g sodium fluoroacetate/kg. These may be accessed online at <https://www.epa.govt.nz/database-search/approved-hazardous-substances-with-controls/view/39609> under 'HSNO Additional controls'; Regulation: 77A; Description: A restriction has been placed on aerial application of the substance; Variation: as follows -

- (1) No person may apply, or engage another person to apply, this substance by aerial application unless—
  - (d) the person has given public notice in a newspaper available in the areas in which the substance will be applied of the proposed aerial application in accordance with subclause (2); and
  - (e) the substance is applied no more than 2 months after the date of the public notice referred to in paragraph (d);
- (2) The public notice referred to in subclause (1)(d) must—
  - (a) be given with sufficient prior notification, but no more than 2 months, before the proposed **aerial application**; and
  - (b) specify the following
    - (i) the approximate date on which the substance will be applied:

- (ii) the name and nature of the substance:
- (iii) a description of the area over which the substance will be applied, including—
  - (A) the boundaries of the area; and
  - (B) districts, roads, and other commonly known features that may identify the place:
- (iv) the location or locations where members of the public may view maps of the area over which the substance will be applied, and the times when such maps may be viewed; and
- (v) the name and address of the person responsible for the **application** of the substance.

In addition, **Auckland Regional Public Health Service** requests that the applicant provide a copy of the public notice, and the date(s) and media in which it was published to **Auckland Regional Public Health Service** before commencing the operation.

Notices placed in the following:

- Pohutukawa Coast Times
- Papakura Courier
- Franklin County News
- Waikato Times.

All of the above public notification requirements for 1080 application also apply to cyanide application.

#### **CONDITION 10: Exclusion from Public Areas**

No Vertebrate Toxic Agent (VTAs) shall be aerially or ground applied within the distances specified below, and not where it is within sight of the following huts, access points, camping and public amenity areas (e.g. car parks / toilet blocks ect).

- The Hunua Falls, associated carpark, toilet facilities, and mini wooden bridge directly adjoining the confirmed operational area must be excluded. Access to tracks via the bridge will be blocked off. The Hunua Falls gate shall remain locked and

Hunua Falls area shall remain closed to the public until the park in its entirety is reopened to the public. By implication, members of public wishing to visit the camp or any other dwellings or amenities, that can only be accessed via the Hunua Falls gate or any area closed for the operation, must not be admitted.

- Huts identified in the operational area will have a 20 metre exclusion buffer, measured from the edge of all maintained/cleared curtilage, and includes:
  - Piggot's Hut
  - K Trig Hut
  - Auckland council and Watercare used facilities /sheds/garages.
  
- The following identified camp grounds in the operational area will have a 20 metre exclusion buffer, measured from the edge of all maintained/cleared curtilage:
  - Piggotts camp ground
  - Upper Mangatawhiri camp ground
  - Lower Mangatawhiri camp ground
  - Mangatangi Trig camp ground
  - Workman camp ground
  - Repeater Road camp ground
  - Adams camp ground
  - 1000 acre camp ground
  
- Placement of warning signage is regulated by WorkSafe NZ under the Health and Safety at Work (Hazardous Substances) Regulations 2017, regulation 13.9 (2) as follows:

**13.9 Signage requirements for vertebrate toxic agents**

- (2) The PCBU with management or control of work involving the substance must ensure that signs that comply with subclause (3) are erected at every normal point of entry to the place where the substance is to be applied or laid. –

**Auckland Regional Public Health Service** requests that signs be placed at the following points and detailed on an attached sign location map prior to application of the VTA to adjoining areas.

- Private road into forestry block

- Access point between Private Forestry and Regional Park (locked gate)
- 33 Moumoukai Hill road at car park/ locked vehicle gate. Access to Plows and Mckenzie forestry roads
- Entrance to private Orere forest
- Entrance to private farm land
- Otau Mountain Road Car park (locked gate) access to Orum and Mckenzie forestry roads
- McNicol Road, start of Te Araroa
- Mangatangi Toilets - covers Mangatangi amenity area plus additional interpretation
- Entrance to Waharau Track Network. Additional interpretation at the visitor centre
- Signage at Cossey Toilets to cover Cossey amenity area
- Cossey Access Road - at vehicle entrance to Cossey Link Track, Cossey Gorge Track and Cossey Wairoa Loop
- Hunua Falls: one at Main Gate - Vehicle access point plus additional interpretation at the notice board. Access point for Hunua Falls Loop, Cossey - Massey Loop
- Camp Adair sign - start of Killer Hill track - new addition
- Whakatiwai Park entrance
- Whakatiwai Track entrance to operational area
- Access to private Paparimu Forest
- Wairoa Toilets
- Vehicle entrance on Otau Valley Road Repeater Road Gate - access to Repeater Campsite and Wairoa Loop Track
- Main Gate at Moumoukai Road - access to Mangatawhiri tracks and campsites
- Lower Mangatawhiri/Paparimu gate - access to Paparimu private forestry, Lower Mangatawhiri Track and Experts Downhill
- Start of Wairoa Loop Track
- Vining track entrance to operational area
- Car park for DoC Vining Track
- Road end access point to DoC Mangatawhiri Track
- DoC Mangatawhiri Track where enters operational area
- Entrance of Plows Road DoC conservation area
- Entrance of Maitai DoC conservation area.

### **CONDITION 11: Exclusion from Roads**

No VTAs shall be aerially or ground applied within 20m and not within sight of the following sections of roads due to potential public access, using the trickle bucket application method:

- Mangatangi Hill Road (ARA drive) - section ahead of locked gate
- Cosseys Access Road - section ahead of locked gate
- Moumoukai valley road - section ahead of locked gate
- Moumoukai Hill road - section ahead of locked gate
- Repeater road - section ahead of locked gate
- Otau road - section ahead of locked gate
- Lilburne road - section ahead of locked gate
- Waterline road - section ahead of locked gate
- Wairoa Hill Road - section ahead of locked gate
- Moumoukai Road - section ahead of locked gate
- Workman Road - section ahead of locked gate.

### **CONDITION 12: Exclusion from Dwellings**

No VTAs shall be applied within 200 meters of (or within a different distance if mutually agreed in writing with the occupiers), and not be visible from, dwellings or built-up areas. If a lesser distance than 200m is agreed between the applicant and landowner, the applicant must advise the landowner that occupants should not remain within 200m of where the VTA is being laid during the application.

#### **Additional condition:**

The helicopter loading zone generates dust and shall not be within 500m of any dwelling.

### **CONDITION 13: Aerial Exclusions**

An aircraft that is carrying out an aerial application must not, when flying to or from the area where the VTA is applied, fly over the following ‘no fly’ areas:

- Watercare Services Ltd. managed public drinking water reservoirs, that is the Cosseys, Wairoa, Mangatawhiri and Mangatangi reservoirs, and the main Mangatangi tributary entering the Mangatangi reservoir.
- Public amenity areas (e.g. car parks / toilet blocks), as detailed on the operational map in Schedule 3 marked in red as ‘excluded areas’.

### **CONDITION 14: Aerial Applications to Tracks and Roads and First Clearances**

The applicant may aerially apply 1080 to the sections of roads, public walking tracks, and vehicle tracks within the operational area, below, but **not during or within 24 hours of the**

**start of school holidays, public holidays or public holiday weekends.** This list is also appended to the permit.

### **Roads closed to public**

Mckenzie road - section behind of locked gate – CLOSED to public

Gibbon road - section behind of locked gate – CLOSED to public

Orum road - section behind of locked gate – CLOSED to public

Mine Road - section behind of locked gate – CLOSED to public

Smithson Road - section behind of locked gate – CLOSED to public

Firth road - section behind of locked gate – CLOSED to public

Keeney Road - section behind of locked gate – CLOSED to public

St. Pauls Road - section behind of locked gate – CLOSED to public

Plows Road - section behind of locked gate – CLOSED to public

Mead road - section behind of locked gate – CLOSED to public

Sharp road - section behind of locked gate – CLOSED to public

### **Roads open or partially open to public**

Moumoukai Road - section behind of locked gate, OPEN to public, medium use

Graeme White Road - section behind of locked gate – OPEN to public, low use

Mangatangi Hill Road (ARA drive) – section behind the locked gate – OPEN to public, low use

Cosseys Access Road - section behind of locked gate, OPEN to public, low use

Moumoukai valley road - section behind of locked gate, OPEN to public, low use

Moumoukai Hill road - section behind of locked gate, OPEN to public, low use

Repeater road - section behind of locked gate, partially OPEN to public, low use

Otau road - section behind of locked gate, OPEN to public, low use

Lilburne road - section behind of locked gate, OPEN to public, low use

Waterline road - section behind of locked gate, OPEN to public, low use

Workman Road - section behind of locked gate, OPEN to public, low use

Wairoa Hill Road - section behind of locked gate, partially OPEN to public, low use

### **Walking Tracks**

Hunua Falls Loop (the section of track on eastern side of river will be included in the operational area)  
HIGH USE

Cossey - Massey Loop (Including Cossey Gorge track, Cossey link track, Massey track, Kauri Loop and Wairoa-cossey Track) HIGH USE

Wairoa Loop MEDIUM USE

Suspension bridge track loop - including Otau Valley Road MEDIUM USE

River Track MEDIUM USE

Valley Loop Track (all central lower valley MTB tracks) MEDIUM USE

Rockies wetland track LOW USE

Kohukohunui Track (Mine Road - Yanks camp) and K Trig Track (Yanks Camp - twin rocks) LOW USE

Mangatangi Ridge track (west) LOW USE

Upper Mangatawhiri Track LOW USE

Rata Ridge track LOW USE

Pukapuka Track LOW USE

Ernies Track LOW USE

Mine Road Track (road to Ernie's junction) LOW USE

Challenge Track LOW USE

Challenge Downhill track LOW USE

Wairoa-Cossey Track (Wairoa dam - Massey Track Junction section) CLOSED

Kohukohunui Track (eastern section - Yanks Camp to Waharau Ridge) CLOSED

Upper link Track CLOSED

Mangatangi Trig Track (Trig west to LMV) CLOSED

Lower Mangatawhiri Track (ridge down to stream) CLOSED

Lower Mangatawhiri Track (Moumoukai Road to Mangitawhirii Forest boundary with DOC) CLOSED

Workman Track CLOSED

Waharau Ridge CLOSED

Whakatiwai Ridge and Whakatiwai Track CLOSED

National Downhill CLOSED

Experts downhill CLOSED

Te Araroha (DOC) CLOSED

Mangatawhiri Reserve tracks (DOC) CLOSED

Rangitoto Ridge (Camp Adair) CLOSED

Killer Hill (Camp Adair) CLOSED

Mangatangi Ridge track (East) PERMANENTLY CLOSED

Mataitai Reserve network PERMANENTLY CLOSED

Vinings track (DOC) PERMANENTLY CLOSED

Workman KPTA PERMANENTLY CLOSED

Mangatangi Trig Track (Trig east to workman road) PERMANENTLY CLOSED

One day prior to and during the VTA operation, the Regional Park will be closed to the public, and entrances to all the above tracks and roads will also be closed by means of warning tape and/or locked gates (where these exist), and warning signs placed at track entrances.

These measures shall remain in place until the clearances detailed in this condition and conditions 15 and 16 below have been completed, and the park has reopened. The Medical Officer of Health and HSNO warranted officer must be consulted with, and agree to, the date for reopening of the park.

### **First Clearances:**

A first clearance is required for:

- High and medium use tracks and roads - the applicant shall inspect and clear high and medium use tracks and roads as soon as possible and not more than 24 hours after the VTA application.
- Excluded areas such as public amenity areas (huts, picnic areas and open areas and grass verges) - the applicant shall inspect and clear these excluded areas as soon as possible and not more than 24 hours after the VTA application.
- Low use tracks and roads - the applicant shall inspect and clear low use tracks and roads for the first time at their convenience between days 1 and 3 following application of the VTA.
- Closed tracks – the applicant is required to inspect and clear closed tracks once (i.e. first clearance only) at their convenience between days 3 and 5 following application of the VTA.

A first or subsequent clearance is **not** required for:

- Permanently closed tracks.
- Roads that are closed to the public (by a locked gate AND signage indicating that the road is out of bounds to the public).

The applicant must make reasonable efforts to find and remove all bait from the roads and tracks and their verges and, if encountered, remove animal carcasses from sight.

‘Reasonable efforts’ will include track clearances in **both** directions of the track. This will consist of teams of three personnel at a minimum for high and medium use tracks. For low use and closed tracks there must be a minimum of two personnel with one member of the pair walking ahead of the other to provide additional surety that any baits and animal carcasses will be seen and removed.

#### **CONDITION 15: Second clearances**

The second clearance shall be made at least 72 hours after the VTA application. The applicant shall make reasonable efforts to find and remove all bait from the tracks and their verges and, if encountered, remove animal carcasses.

A second clearance is required for:

- High and medium use tracks and roads.
- Excluded areas such as public amenity areas (huts, picnic areas and open areas and grass verges).
- Low use tracks and roads – a second clearance is required if there has been less than 10mm of rainfall since the first track clearance OR **Auckland Regional Public Health Service’s** Medical Officer of Health and HSNO warranted officer deems that there is an appreciable risk remaining to the public. Rainfall will be measured using Watercare’s monitoring stations closest to the high use tracks in the regional parklands. The second clearance of low risk tracks and roads may be completed at the applicant’s convenience between day 3 and 5 following application of the VTA.

A second or subsequent clearance is **not** required for:

- Closed tracks.

This second clearance will be in **both directions** of the track and will consist of teams of two personnel at a minimum, with one member of the pair walking ahead of the other to provide additional surety that baits and carcasses will be seen and removed.

#### **CONDITION 16: Third and additional clearance(s)**

A third inspection shall be made at least 120 hours (5 days) after the VTA application.

A third clearance is required for:

- High use tracks.
- Excluded areas such as public amenity areas (huts, picnic areas and open areas and grass verges).
- Medium use tracks and roads – a third clearance is required if there has been less than 10mm of rainfall since the second track clearance OR **Auckland Regional Public Health Service's** Medical Officer of Health and HSNO warranted officer deems that there is an appreciable risk remaining to the public. Rainfall will be measured using Watercare's monitoring stations closest to the high use tracks in the regional parklands. The third clearance of medium risk tracks must be completed prior to re-opening of the Park.

A third or subsequent clearance is **not** required for:

- Low use tracks and roads.

Reasonable efforts shall be made to find and remove all bait from the tracks and their verges and, if encountered, remove animal carcasses.

#### **Additional clearances**

These additional clearances will only be required in the event that there has not been at least 10mm of rainfall since the bait was laid OR **Auckland Regional Public Health Service's**

Medical Officer of Health and HSNO warranted officer deems that there is an appreciable risk remaining to the public.

- **Week 2:** All high and medium use walking tracks, roads and excluded areas in the operational area will be checked (both ways) on either Thursday or Friday to remove any missed or fallen baits ahead of the weekend.
- **Week 3:** All high and medium use walking tracks, roads, and excluded areas in the operational area will be checked (both ways) on either Thursday or Friday to remove any missed or fallen baits ahead of the weekend. The track clearance programme will conclude at this point if the Medical Officer of Health and HSNO warranted officer deems that there is no appreciable risk remaining to the public.

#### **CONDITION 17: GPS Track Logs**

A GPS track log shall be recorded and maintained for each track clearance and made available to **Auckland Regional Public Health Service** on request.

#### **CONDITION 18: Sign Contents**

The contents of signage is regulated by WorkSafe NZ under the Health and Safety at Work (Hazardous Substances) Regulations 2017, regulation 13.9 (3) as follows:

##### **13.9 Signage requirements for vertebrate toxic agents**

- (3) The signs must –
- (a) identify the job title of the person controlling the application or laying the substance, and provide sufficient information to enable that person to be contacted during normal business hours; and
  - (b) state the date on which the substance will first be applied or laid; and
  - (c) comply with the requirements for comprehensibility and clarity listed in regulation 2.5(2)(iv), with the modification described in subclause (4).

In addition, **Auckland Regional Public Health Service** requires that all warning signs include an international symbol for toxic substances (eg. skull and crossbones) and a statement advising that children must be closely supervised to prevent touching or consuming baits (eg, ‘**WATCH CHILDREN** at all times’) as baits may be deadly to young children.

### **CONDITION 19: Sign Maintenance and Vandalism**

Signage is regulated by WorkSafe NZ under the Health and Safety at Work (Hazardous Substances) Regulations 2017, regulation 13.9 (6), as follows:

#### **13.9 Signage requirements for vertebrate toxic agents**

- (6) The PCBU must ensure that the signs remain until –
- (a) a period of time specified by WorkSafe for the substance has elapsed; or
  - (b) the substance has been retrieved from the place concerned; or
  - (c) the substance is no longer toxic.

In addition, **Auckland Regional Public Health Service** requires that during the period in which the bait remains most toxic, i.e. before Park re-opening, all warning signage shall be inspected daily. After re-opening and prior to full carcass degradation, all warning signage shall be inspected weekly and immediately before the commencement of school holidays, public holidays or public holiday weekends.

Any signs that are damaged, vandalised or otherwise become illegible shall be replaced as soon as possible and within 24 hours of discovery of the damage.

### **CONDITION 20: Domestic Water Supply: Notification**

The applicant shall notify the intended operation to all people who:

- source their domestic water supply from within the operational area; or
- source their domestic water supply within 3kms of the operational area where the water source is a surface waterway that flows through or arises from within the operational area.

The notice must be given sufficiently prior to, but within two months of, the proposed application of the VTA(s).

If requested by the person notified, notification shall be repeated at a mutually-agreed time before the proposed application.

### **CONDITION 21: Domestic Water Supply: Location**

The applicant shall verify the location of water supply intakes with all people who:

- source their domestic water supply from within the operational area; or
- source their domestic water supply within 3kms of the operational area, where the water source is a surface waterway that flows through or arises from within the operational area.

GPS coordinates of the water supply intakes shall be recorded and made available to **Auckland Regional Public Health Service** on request.

### **CONDITION 22: Domestic Water Supply: Exclusions for Ground-laid VTA**

No VTA shall be ground-laid within 20m of domestic water supply intakes that are within the operational area.

For flowing surface watercourses, the 20 m exclusion shall extend for a length of 50 metres upstream from the point of intake.

### **CONDITION 23: Domestic Water Supply: Mitigation for Aerially Applied 1080**

For an aerial application of 1080, applicants must provide mitigation to all households and huts/camping areas that:

- source water from inside the operational area; or
- source their domestic water supply within 3 km of the operational area where the water source is a surface waterway that flows through or arises from within the operational area if mitigation is requested by household occupiers or managers of huts/camping grounds.

Mitigation shall involve either or both of the following:

- i. No 1080 shall be applied within 50 metres of the water supply intakes. For flowing surface waterways, the 50m exclusion shall extend for a length of 200 metres upstream from the point of intake.
- ii. The domestic water supply shall be temporarily disconnected until such time as water testing finds no detectable VTA contamination. If no temporary water source is available, an adequate alternative potable water supply (to be used for drinking and cooking) will be provided to the affected household; the amount per day to be agreed with the household, until testing is completed.

#### **CONDITION 24: Water Supply Testing**

The water testing shall conform to the requirements attached to this permission.

The water testing for the public reservoirs shall be conducted at Watercare Laboratory which is an IANZ accredited laboratory with IANZ-approved test methodology for 1080.

Watercare's testing and sampling plan must also conform with the Landcare protocol as per the Ministry of Health's VTA guidelines.

The reservoir water sample taken closest to the water intake tower at each reservoir shall be split or duplicated and also sent to Landcare Research Ltd's Centox Laboratory for reference testing. Where water testing reveals VTA contamination, the alternative potable water supply shall be maintained until such time as a repeat test confirms VTA contamination is undetectable.

The following management plans are appended to this permit and detail the agreed management of the public water reservoirs:

- Watercare – Water Supply Operational Management Plan
- Watercare – Water Supply Water Quality Sampling Plan
- Watercare – Water Supply Raw Water Source Return to Service Plan.

#### **CONDITION 25: Public Water Supplies: Notification**

The applicant shall notify the details of the intended operation to all managers of public water supplies who:

- source their public water supply from within the operational area; or
- source their public water supply within 3kms of the operational area where the water source is a surface waterway that flows through or arises from within the operational area.

The notice must be given sufficiently prior to, but within two months of, the proposed application of the VTA(s).

If requested by the person notified, notification shall be repeated at a mutually-agreed time before the proposed application.

### **CONDITION 26: Public Water Supplies: Location**

The applicant shall mutually verify the location of public water supply intakes with all water supply managers who:

- source their public water supply from within the operational area; or
- source their public water supply within 3kms of the operational area where the water source is a surface waterway that flows through or arises from within the operational area.

GPS coordinates of the water supply intakes shall be recorded and made available to **Auckland Regional Public Health Service** on request.

### **CONDITION 27: Public Water Supplies: Mitigation**

For an aerial application of 1080, applicants must provide mitigation to all public water supplies that:

- source their public water supply from within the operational area; or
- source their public water supply 3km of the operational area where the water source is a surface waterway that flows through or arises from within the operational area.

Mitigation shall be mutually agreed in writing between the applicant and water supply managers and involve **both** of the following:

**i. Exclusion buffers:**

- No 1080 shall be applied within 200 m of the water supply valve intakes.
- A 50 metre buffer exclusion from the high water mark at the reservoir margins shall apply to the four Watercare managed public drinking water reservoirs (i.e. Cosseys, Wairoa, Mangatawhiri and Mangatangi reservoirs). In areas where the slopes are steep, a greater than 50m exclusion may be applied. In some places bait may be applied closer than 50m but not beyond 20m provided all practicable steps are taken to ensure baits are not deposited in a manner where they can fall into the reservoirs.
- A 20 metre buffer exclusion shall apply from the banks of the main tributary entering the Mangatangi reservoir. This is to avoid bait falling into this tributary. The main tributary and the distance of exclusion along this tributary shall be:
  - Clearly mapped showing demarcation lines.

- Mutually agreed in writing between the Auckland Council (i.e.applicant ) and Watercare ( i.e.water supply managers) and
  - Supplied to **Auckland Regional Public Health Service** as soon as possible and prior to the start of the operation. A trickle bucket shall be used for sowing the 1080 baits around the reservoirs and tributary to prevent baits being sown within the reservoir and tributary buffer zones.
- ii. **Disconnection of water supply:**
- If an interim water supply is available, the affected water supply shall be temporarily disconnected until such time as water testing finds no VTA contamination.

**CONDITION 28: Water Supply Mitigation: Reporting**

The applicant shall maintain a list of water mitigation measures provided under Conditions **23 and 27**, which shall be available, on request, to **Auckland Regional Public Health Service**.

**CONDITION 29: Water Supply Testing: Reporting**

The applicant shall provide, or arrange for the provision of, the outcome of all water testing to **Auckland Regional Public Health Service** as soon as possible and within 24 hours of receipt of the testing results.

In the event that water testing reveals 1080 is detectable, the applicant shall discuss any further proposed mitigation measures with **Auckland Regional Public Health Service** and continue testing in accordance with the requirement for monitoring to establish that no 1080 is detectable in the water reservoir.

Results will be assessed by **Auckland Regional Public Health Service** – Drinking Water Assessment Unit and must be approved by **Auckland Regional Public Health Service’s** Medical Officer Health before any resumption of the public water supply from any Hunua Ranges’ reservoirs.

## Additional Conditions

### Condition 30: Operators' Log

An operator's log (*report*) must be compiled of activities associated with the aerial application and a copy of this log is to be forwarded to **AUCKLAND REGIONAL PUBLIC HEALTH SERVICE** within **four weeks** of the date of the vertebrate toxic agent being laid.

The log shall include:

- i. Time, date and place of the application
- ii. Amount of vertebrate toxic agent applied and its formulation
- iii. List of supervising operators
- iv. Names of subcontractors with services provided
- v. Name, address and rating number of pilot(s)
- vi. Any incidents that occurred and problems that arose during the operation, including the investigation undertaken and where necessary the remedial actions taken
- vii. Any transgressions of the conditions in this approval, including an explanation of each transgression and the remedial actions taken
- viii. Copy of GPS printouts of toxic flight lines

### Condition 31: Trickle Bucket GPS Flight Data

If a trickle bucket is used the applicant will supply an updated map of the operational area that 1080 is to be aerially applied to before the operation and a GPS track record print out from the helicopter after the operation detailing the trickle bait delivery flight lines.

## PERMISSION CONDITIONS: SCHEDULE 3 (Maps)

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Application Identification Code: **18/02/DB/ARPHS**

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Application Location: Park land in the Hunua Ranges area, including Waharau and Whakatiwai Regional parks and the Department of Conservation (DOC) administered Mataitai Scenic Reserve, Tai Rawhiti Scenic Reserve, Papa Turoa Scenic Reserve, Whakatiri Scenic Reserve, Mangatawhiri Forest Conservation Area, Vining Scenic Reserve, and Richard Sylvan Memorial Reserve, Plows Road Conservation area (DOC), Paparimu Road Conservation area (DOC), Mataitai conservation area (DOC) and some adjoining private land Approximate treatment area of 30,501 Ha.

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