

ENVIRONMENTAL RISK MANAGEMENT AUTHORITY

# THE BULLETIN

The Bulletin is published eleven times per year. It is a listing of applications being processed and the Authority's decisions as well as other activities under the Hazardous Substances and New Organisms (HSNO) Act. The public register is the official record of all applications received and any controls attached to approvals and may be viewed at our Wellington office. Alternatively, you may view the applications and associated documents on the ERMA New Zealand website: [www.ermanz.govt.nz](http://www.ermanz.govt.nz)

## NEW ORGANISMS

### NOTIFIED APPLICATIONS RECEIVED AND OPEN FOR SUBMISSIONS

The applications in the Bulletin are for reference only. Our public notification process includes alerts in four main daily newspapers with full information and submission forms available on our website.

To ensure that you are advised directly about applications open for public submission contact us at [info@ermanz.govt.nz](mailto:info@ermanz.govt.nz) to be added to our interested party list. You will need to nominate the types of applications that you are interested in.

**Applicant:** Ministry of Agriculture and Forestry - National Centre for Disease Investigation

**Application Code:** NOC04012

**Purpose:** The National Centre for Disease Investigation (NCDI) wishes to import strains of microorganisms that potentially cause exotic and emerging diseases of animals into containment for diagnostic and testing purposes

**Date Publicly Notified:** 04 May 2005

**Date Submissions Close:** 16 June 2005

### NON-NOTIFIED APPLICATIONS RECEIVED

**Applicant:** Horticulture and Food Research Institute (HortResearch)

**Application Code:** NOC05001

**Purpose:** Import into containment Chilean moss *Sphagnum magellanicum* and associated microbial populations, especially *Pseudomonas* species, to make comparison with New Zealand sphagnum moss

**Date Formally Received:** 11 April 2005

**Applicant:** LanzaTech New Zealand Limited

**Application Code:** NOC05002

**Purpose:** To import into containment seven non-genetically modified, non-pathogenic bacteria, isolated from natural environments to produce novel bio-products via small scale fermentation

**Date Formally Received:** 29 March 2005

Please feel free to photocopy this material. Acknowledgement of ERMA New Zealand would be appreciated.

ERMA NEW ZEALAND

PO Box 131 Wellington

Phone: +64 4 916 2426 Fax: +64 4 914 0433

Email: [info@ermanz.govt.nz](mailto:info@ermanz.govt.nz)

Website: [www.ermanz.govt.nz](http://www.ermanz.govt.nz)

## APPLICATIONS WITHDRAWN

**Applicant:** Fonterra Co-operative Group Limited

**Application Code:** NOC04001

**Purpose:** The use of the bacterial culture *Streptomyces natalensis* to produce the antimyotic natamycin (earlier name pimaricin) by fermentation

**Date Formally Received:** 05 January 2004

**Date Withdrawn:** 07 April 2005

## DECISIONS ON APPLICATIONS

**Applicant:** Horticulture and Food Research Institute (HortResearch Auckland)

**Application Code:** NOC04017

**Purpose:** To import plant material infected with phytoplasmas to test the effectiveness of current detection methods for identifying phytoplasmas in plant imports

**Decision Notified:** 04 April 2005

**Description of Organisms:** Phytoplasmas 'Candidatus Phytoplasma' Firrao *et al.* (2004)

**Decision:** Approved with Controls

**ERMA Approval Code:** NOC002383

**Controls:**

In order to satisfactorily address the matters detailed in the Third Schedule Part II: Containment controls for new organisms excluding genetically modified organisms, of the Act, and other matters in order to give effect to the purpose of the Act, the approved organism is subject to the following controls:

- 1. To limit the likelihood of any accidental release of any organism or any viable genetic material<sup>1</sup>:**
  - 1.1 The approved organisms shall be imported into, and maintained within a containment facility which complies with these controls.
  - 1.2 The containment facility shall be approved by the Ministry of Agriculture and Forestry (MAF), in accordance with section 39 of the Biosecurity Act and the MAF/ERMA New Zealand Standard 154.03.02: Containment Facilities for Microorganisms.<sup>2</sup>

- 1.3 The construction, operation, and management of the microorganism containment facility shall be in accordance with the:
  - a) Ministry of Agriculture and Forestry (MAF)/ERMA New Zealand Standard 154.03.02: Containment Facilities for Microorganisms.
  - b) Australian New Zealand Standard AS/NZS 2243:3 2002 Safety in Laboratories: Part 3: (Microbiological aspects and containment facilities), excluding those deviations specified in section 4.2 of Standard 154.03.02.
  - c) Physical Containment Level 2 (PC2) requirements of the above Standards.
- 1.4 The person responsible for a particular research area and/or the person responsible for the operation of the containment facilities ('the facility') shall inform all personnel involved in the handling of the organisms of the Authority's controls.
- 2. To exclude unauthorised people from the facility:**
  - 2.1 The identification of entrances, numbers of and access to entrances, and security requirements for the entrances and the facility shall be in compliance with the requirements of the standards listed in control 1.3.
- 3. To control the effects of any accidental release or escape of an organism:**
  - 3.1 Control of the effects of any accidental release or escape of the organism shall be in compliance with the standards listed in control 1.3 of this document.
  - 3.2 If for any reason a breach of containment<sup>3</sup> occurs the facility Supervisor<sup>4</sup>, MAF Biosecurity Authority and ERMA New Zealand shall be notified promptly as soon as is practicable after the event is noticed.
  - 3.3 In the event of any breach of containment of the organism, the contingency plan for the attempted retrieval or destruction of any viable material of the organism that has escaped shall be implemented immediately. The contingency plan shall be included in the containment manual in accordance with the requirements of standards listed in Control 1.3.
- 4. Inspection and monitoring requirements for containment facilities:**
  - 4.1 The inspection and monitoring requirements for containment facilities shall be in compliance with the standards listed in control 1.3.

- 4.2 The Authority, or its authorised agent or properly authorised enforcement officers, may inspect the facilities at any reasonable time.
- 4.3 The containment manuals shall be updated, as necessary, to address the implementation of the controls imposed by this approval, in accordance with the MAF/ERMA New Zealand Standard 154.03.02
- 5. Qualifications required of the persons responsible for implementing those controls:**
  - 5.1 The training of personnel working in the facility shall be in compliance with the standards listed in control 1.3.
- 6. Additional Controls:**
  - 6.1 Any person exercising this approval shall forward to ERMA New Zealand any publication, they are aware of, in which any unidentified organism imported or transferred in accordance with this approval, (and which is not already recorded on the ERMA New Zealand Register of new organisms), is assigned a taxonomic classification.
  - 6.2 Plant material containing phytoplasmas, imported into containment under this approval, shall be used solely for diagnostic purposes. No plant material shall be propagated or grafted onto any other plant material. In addition, no phytoplasmas or other inseparable microorganisms shall be cultured from the imported plant material.
  - 6.3 Any user of the approval shall notify ERMA New Zealand and the MAF Biosecurity Authority in writing of the date they first activate use of the approval (i.e. a one-off requirement).
  - 6.4 All plant material imported in accordance with this approval shall be kept in a sealed container when not in use and shall be stored either in a refrigerator or freezer. All surplus plant material shall be autoclaved prior to disposal.
  - 6.5 All windows in the containment facility shall be kept closed while biological material imported under this approval is present in the facility.

**Applicant:** Wellington Zoo Trust

**Application Code:** NOC04020

**Purpose:** Importation of Leopard (*Panthera pardus*) into containment at Wellington Zoo (and potentially other Leopard into other zoos in the future) to contribute to conservation through exhibition, and possible future captive breeding

**Decision Notified:** 04 April 2005

**Description of Organisms:** Leopards *Panthera pardus* (Linnaeus, 1758) (Family: Felidae)

**Decision:** Approved with Controls

**ERMA Approval Code:** NOC002382

**Controls:**

In order to satisfactorily address the matters detailed in the Third Schedule Part II: Containment controls for new organisms excluding genetically modified organisms<sup>5</sup> of the Act, and other matters in order to give effect to the purpose of the Act, the approved organism is subject to the following controls:

- 1. To limit the likelihood of any accidental release of any organism or any viable genetic material<sup>6</sup> :**
  - 1.1 The approved organisms shall be imported into, and maintained within a containment facility which complies with these controls.
  - 1.2 The construction, operation, and management of the zoo animals containment facility shall be in accordance with the Ministry of Agriculture and Forestry (MAF)/ERMA New Zealand Standard 154.03.04: Containment Facilities For Zoo Animals.
  - 1.3 The person responsible for the operation of the containment facility shall inform all personnel involved in the handling of the organisms of the Authority's controls.
  - 1.4 The containment facility shall be approved by Ministry of Agriculture and Forestry (MAF), in accordance with section 39 of the Biosecurity Act and the Standard listed in control 1.2.
- 2. To exclude unauthorised people from the facility:**
  - 2.1 The identification of entrances, numbers of and access to entrances, and the security requirements for the entrances and the facility shall be in compliance with the Standard listed in control 1.2 of this document.
  3. To control the effects of any accidental release or escape of an organism:

<sup>1</sup> Viable genetic material is biological material that can be resuscitated to grow into tissues or organisms. It can be defined to mean biological material capable of growth even though resuscitation procedures may be required, e.g. when organisms or parts thereof are sub lethally damaged by being frozen, dried, heated, or affected by chemical.

<sup>2</sup> All references in these controls to this Standard means the current Standard or any equivalent updated version as may be published in future.

<sup>3</sup> For the purposes of these controls a 'breach of containment' means any interference with the containment facility or any non-compliance with the Authority's controls whether an approved organism escapes from containment or not.

<sup>4</sup> An inspector appointed under the Biosecurity Act.

<sup>5</sup> Bold headings refer to matters to be addressed by containment controls for new organisms excluding genetically modified organisms, specified in the Third Schedule (Part II) of the HSNO Act 1996.

<sup>6</sup> Viable genetic material is biological material that can be resuscitated to grow into tissues or organisms. It can be defined to mean biological material capable of growth even though resuscitation procedures may be required, e.g. when organisms or parts thereof are sub lethally damaged by being frozen, dried, heated, or affected by chemical.

- 3.1 Control of the effect of any accidental release or escape of the organism shall be in compliance with the Standard listed in control 1.2.
- 3.2 If for any reason a breach of containment occurs the facility Supervisor<sup>7</sup>, MAF Biosecurity New Zealand and ERMA New Zealand shall be notified promptly as soon as is practicable after the event is noticed.
- 3.3 In the event of any breach of containment of the organism, the contingency plan for the attempted retrieval or destruction of the organism that has escaped shall be implemented immediately. The contingency plan shall be included in the containment manual in accordance with the requirements of the Standard listed in control 1.2.
- 3.4 The applicant shall comply with the requirements of the Standard listed in control 1.2 relating to the maintenance of records demonstrating compliance with the Standard, as required by the quality assurance programme, and documented in the containment manual.
- 4. Inspection and monitoring requirements for containment facilities:**
- 4.1 The inspection and monitoring requirements for the containment facility shall be in compliance with the Standard listed in control 1.2.
- 4.2 The Authority, or its authorised agent or properly authorised enforcement officers, may inspect the facilities at any reasonable time.
- 4.3 The containment manual shall be updated, as necessary, to address the implementation of the controls imposed by this approval, in accordance with the Standard listed in control 1.2.
- 5. Qualifications required of the persons responsible for implementing these controls:**
- 5.1 The training of personnel working in the facility shall be in compliance with the standards listed in control 1.2.
- 6. Additional controls:**
- 6.1 Any user of the approval shall notify ERMA New Zealand and MAF Biosecurity New Zealand in writing of their intention to do so when they first activate use of the approval (i.e. a one-off requirement).
- 6.2 Only those leopards that are born and bred in captivity shall be imported into containment. Evidence to this effect shall be supplied to MAF as part of this process (for example statements from zoos or wildlife parks that supply leopards).

- 6.3 The containment manual of the Wellington Zoo or any other containment facility where leopards are to be contained shall have detailed in their containment manual procedures for the day to day management of leopards as well as a contingency plan to manage accidental or unintended escape from containment.
- 6.4 As part of the Register of Zoo Animals required by section 4.5 of the Standard, any user of this approval shall keep a record of the sex of any leopards imported and any subsequent offspring.

#### DELEGATED AUTHORITY

The following applications were decided by institutions acting under delegated powers from the Authority.

**Applicant:** AgResearch Limited

**Institute Code:** GMO05/ARW031

**Application Code:** GMD05047

**Purpose:** To produce *Vaccinia virus* and *Orf virus* containing genes for *Taenia ovis* and *Echinococcus granulosus* antigens and to evaluate their potential as vaccine vectors for parasitic diseases of sheep

**Decision Notified:** 21 April 2005

**Description of Organism:** *Orf virus*

*Orf virus* modified with genes encoding protective antigens, 45W, 18k and 16k of *Taenia ovis* (sheep measles) or EG95 of *Echinococcus granulosus* (hydatids), under control of natural or synthetic promoters

**Containment:** PC2

**Category:** B

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003718

**Description of Organism:** *Vaccinia virus*

*Vaccinia virus* modified with genes encoding protective antigens, 45W, 18k and 16k of *Taenia ovis* (sheep measles) or EG95 of *Echinococcus granulosus* (hydatids), under control of natural or synthetic promoters

**Containment:** PC2

**Category:** B

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003719

**Applicant:** Genesis Research and Development Corporation Limited

**Institute Code:** GMO05/GR050

**Application Code:** GMD05042

**Purpose:** To identify and study regulators of vascular and cell wall development, in both transformed whole plants and cellular systems to determine their relevance to wood formation

**Decision Notified:** 31 March 2005

**Description of Organism:** *Eucalyptus grandis* W. Hill ex Maid

*Eucalyptus grandis* (tissue culture and cell lines) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus* spp. (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca* spp. (fescue grass), *Lolium* spp. (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC1

**Category:** A

and

*Eucalyptus grandis* (whole plants) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus* spp. (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca* spp. (fescue grass), *Lolium* spp. (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC2

**Category:** B

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003680

**Description of Organism:** *Nicotiana benthamiana* Domin.

*Nicotiana benthamiana* (tissue culture and cell lines) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus* spp. (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca* spp. (fescue grass), *Lolium* spp. (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC1

**Category:** A

and

*Nicotiana benthamiana* (whole plants) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus* spp. (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca* spp. (fescue grass), *Lolium* spp. (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC2

**Category:** B

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003681

**Description of Organism:** *Nicotiana tabacum* L.

*Nicotiana tabacum* (tissue culture and cell lines) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus* spp. (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*,

<sup>7</sup> An inspector appointed under the Biosecurity Act.

*Populus ciliata*), *Festuca* spp. (fescue grass), *Lolium* spp. (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC1

**Category:** A

and

*Nicotiana tabacum* (whole plants) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus* spp. (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca* spp. (fescue grass), *Lolium* spp. (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Category:** B

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003682

**Description of Organism:** *Pinus radiata* D.Don

*Pinus radiata* (tissue culture and cell lines) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus* spp. (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca* spp. (fescue grass), *Lolium* spp. (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC1

**Category:** A

and

*Pinus radiata* (whole plants) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences from *Pinus radiata*, *Eucalyptus*

*grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus* spp. (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca* spp. (fescue grass), *Lolium* spp. (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC2

**Category:** B

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003683

**Description of Organism:** *Populus balsamifera* (L.)

*Populus balsamifera* (tissue culture and cell lines) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus* spp. (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca* spp. (fescue grass), *Lolium* spp. (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC1

**Category:** A

and

*Populus balsamifera* (whole plants) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus* spp. (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca* spp. (fescue grass), *Lolium* spp. (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC2

**Category:** B

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003684

**Description of Organism:** *Agrobacterium tumefaciens* (Smith & Townsend 1907) Conn 1942

*Agrobacterium tumefaciens* (disarmed laboratory strains) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus* spp. (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca* spp. (fescue grass), *Lolium* spp. (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003677

**Description of Organism:** *Arabidopsis thaliana* (L.) Heynh (1842)

*Arabidopsis thaliana* (tissue culture and cell lines) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus* spp. (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca* spp. (fescue grass), *Lolium* spp. (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC1

**Category:** A

and

*Arabidopsis thaliana* (whole plants) modified with non-conjugative plasmid vectors; genes, putative promoters, and

micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus* spp. (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca* spp. (fescue grass), *Lolium* spp. (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC2

**Category:** B

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003678

**Description of Organism:** *Escherichia coli* (Migula 1895) Castellani & Chalmers 1919

*Escherichia coli* (strains K12 and B derivatives) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus* spp. (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca* spp. (fescue grass), *Lolium* spp. (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003679

**Description of Organism:** *Populus yunnanensis* (Dode)

*Populus yunnanensis* (tissue culture and cell lines) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus* spp. (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus*

*yunnanensis*, *Populus maximowiczii*, *Populus ciliata*, *Festuca spp.* (fescue grass), *Lolium spp.* (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC1

**Category:** A

and

*Populus yunnanensis* (whole plants) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus spp.* (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca spp.* (fescue grass), *Lolium spp.* (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC2

**Category:** B

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003690

**Description of Organism:** *Zinnia elegans* Jacq.

*Zinnia elegans* (tissue culture and cell lines) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus spp.* (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca spp.* (fescue grass), *Lolium spp.* (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC1

**Category:** A

and

*Zinnia elegans* (whole plants) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus spp.* (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca spp.* (fescue grass), *Lolium spp.* (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC2

**Category:** B

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003691

**Description of Organism:** *Populus ciliata* (Wall. ex Royle)

*Populus ciliata* (tissue culture and cell lines) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus spp.* (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca spp.* (fescue grass), *Lolium spp.* (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC1

**Category:** A

and

*Populus ciliata* (whole plants) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus spp.* (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus*

*yunnanensis*, *Populus maximowiczii*, *Populus ciliata*, *Festuca spp.* (fescue grass), *Lolium spp.* (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC2

**Category:** B

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003685

**Description of Organism:** *Populus deltoides* (Bartr. ex Marsh.)

*Populus deltoides* (tissue culture and cell lines) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus spp.* (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca spp.* (fescue grass), *Lolium spp.* (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC1

**Category:** A

and

*Populus deltoides* (whole plants) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus spp.* (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca spp.* (fescue grass), *Lolium spp.* (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC2

**Category:** B

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003686

**Description of Organism:** *Populus maximowiczii* (A. Henry)

*Populus maximowiczii* (tissue culture and cell lines) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus spp.* (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca spp.* (fescue grass), *Lolium spp.* (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC1

**Category:** A

and

*Populus maximowiczii* (whole plants) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus spp.* (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca spp.* (fescue grass), *Lolium spp.* (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC2

**Category:** B

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003687

**Description of Organism:** *Populus nigra* (L.)

*Populus nigra* (tissue culture and cell lines) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus spp.* (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*,

*Populus ciliata*), *Festuca spp.* (fescue grass), *Lolium spp.* (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC1

**Category:** A

and

*Populus nigra* (whole plants) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus spp.* (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca spp.* (fescue grass), *Lolium spp.* (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC2

**Category:** B

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003688

**Description of Organism:** *Populus trichocarpa* (Torr. & Gray ex Hook)

*Populus trichocarpa* (tissue culture and cell lines) modified with non-conjugative plasmid vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus spp.* (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca spp.* (fescue grass), *Lolium spp.* (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC1

**Category:** A

and

*Populus trichocarpa* (whole plants) modified with non-conjugative plasmid

vectors; genes, putative promoters, and micro-RNA sequences derived from *Pinus radiata*, *Eucalyptus grandis*, *Arabidopsis thaliana*, *Zinnia elegans*, *Nicotiana benthamiana*, *Nicotiana tabacum*, *Populus spp.* (*Populus balsamifera*, *Populus trichocarpa*, *Populus deltoides*, *Populus nigra*, *Populus yunnanensis*, *Populus maximowiczii*, *Populus ciliata*), *Festuca spp.* (fescue grass), *Lolium spp.* (ryegrass), *Cucumis sativus* (cucumber), *Cucumis melo* (melon) and *Cucurbita maxima* (pumpkin), that are involved in regulation of plant vascular and cell wall development

**Containment:** PC2

**Category:** B

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003689

**Applicant:** University of Auckland

**Institute Code:** GMO04/UA010

**Application Code:** GMD04054

**Purpose:** Neuroendocrine Cell Biology. Update of GMO00/UA055, GMO00/UA068 and GMO02/UA010

**Decision Notified:** 14 April 2004

**Description of Organism:** *Bos indicus* cell lines

*Bos indicus* cell lines modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003692

**Description of Organism:** *Bos taurus* cell lines

*Bos taurus* cell lines modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003693

**Description of Organism:** *Canis familiaris* Linnaeus cell lines

*Canis familiaris* cell lines modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003694

**Description of Organism:** *Cercopithecus aethiops* cell lines

*Cercopithecus aethiops* cell lines modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003695

**Description of Organism:** *Cricetulus griseus* cell lines

*Cricetulus griseus* cell lines modified with RNA Pol II promoters, DNA s sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003696

**Description of Organism:** *Cricetus cricetus* cell lines

*Cricetus cricetus* cell lines modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003697

**Description of Organism:** *Drosophila melanogaster* cell lines

*Drosophila melanogaster* cell lines modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003698

**Description of Organism:** *Equus caballus* (Linnaeus, 1758) cell lines

*Equus caballus* cell lines modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003699

**Description of Organism:** *Escherichia coli* (Migula 1895) Castellani & Chalmers 1919

*Escherichia coli* (K12 and B strains) modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003700

**Description of Organism:** *Gallus gallus* cell lines

*Gallus gallus* cell lines modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003701

**Description of Organism:** *Rattus norvegicus* (Berkenhout, 1796) cell lines

*Rattus norvegicus* cell lines modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003709

**Description of Organism:** *Rattus rattus* cell lines

*Rattus rattus* cell lines modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003710

**Description of Organism:** *Saccharomyces cerevisiae*

*Saccharomyces cerevisiae* modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003711

**Description of Organism:** *Spodoptera frugiperda* cell lines

*Spodoptera frugiperda* cell lines modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003712

**Description of Organism:** *Sus scrofa* Linnaeus cell lines

*Sus scrofa* cell lines modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003713

**Description of Organism:** *Trichoplusia ni* (Huebner) cell lines

*Trichoplusia ni* cell lines modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003714

**Description of Organism:** *Xenopus laevis* cell lines

*Xenopus laevis* cell lines modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003715

**Description of Organism:** *Homo sapiens* cell lines

*Homo sapiens* cell lines modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

and

*Homo sapiens* cell lines modified with rAAV vectors with RNA Pol II promoters, DNA sequences encoding restriction sites

and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC2 (with additional controls specified in GMO00/UA068 and GMO02/UA0010)

**Category:** B

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003702

**Description of Organism:** *Mesocricetus auratus* cell line

*Mesocricetus auratus* cell line modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003703

**Description of Organism:** *Mus musculus* Linnaeus, 1758 cell lines

*Mus musculus* cell lines modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003704

**Description of Organism:** *Mus spretus* cell lines

*Mus spretus* cell lines modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003705

**Description of Organism:** *Oryctolagus cuniculus* cell lines

*Oryctolagus cuniculus* cell lines modified

with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003706

**Description of Organism:** *Ovis aries* cell lines

*Ovis aries* cell lines modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003707

**Description of Organism:** *Pichia pastoris*

*Pichia pastoris* modified with RNA Pol II promoters, DNA sequences encoding restriction sites and short DNA sequences (21-50 nucleotides) specific for specific genes and transcriptional terminators

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003708

**Applicant:** University of Auckland

**Institute Code:** GMO05/UA003

**Application Code:** GMD05045

**Purpose:** Cloning and expression of staphylococcal and streptococcal genes, analysis of their promoters and generation of isogenic *Staphylococcus aureus* and *Streptococcus pyogenes* knock-out mutants. Update of GMO03/UA032

**Decision Notified:** 12 April 2005

**Description of Organism:** *Escherichia coli* (Migula 1895) Castellani & Chalmers 1919

*Escherichia coli* (non pathogenic strains) modified with vectors pMAD, pBT2 and pBR473 with mutated non-functional fragments of target proteins from

*Streptococcus pyogenes* (Strain MI ATCC 700294) and Methicillin sensitive *Staphylococcus aureus*

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003720

**Description of Organism:** *Staphylococcus aureus*

*Staphylococcus aureus* (Methicillin sensitive) modified with vectors pMAD, pBT2 and pBR473 with mutated non-functional fragments of target proteins from methicillin sensitive *Staphylococcus aureus*

**Containment:** PC2

**Category:** B

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003721

**Description of Organism:** *Streptococcus pyogenes*

*Streptococcus pyogenes* (Strain MI ATCC 700294) modified with vectors pMAD, pBT2 and pBR473 with mutated non-functional fragments of target proteins from *Streptococcus pyogenes* (Strain MI ATCC 700294)

**Containment:** PC2

**Category:** B

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003722

**Applicant:** University of Otago

**Institute Code:** GMO04/UO021

**Application Code:** GMD05041

**Purpose:** To understand how sequence variation in human cardiovascular disease risk genes affect the regulation of the genes and the development of cardiovascular disease

**Decision Notified:** 8 March 2005

**Description of Organism:** *Cricetulus griseus* cell lines

*Cricetulus griseus* cell lines (including CHO) modified with non-conjugative plasmid vectors; human (excluding Maori) or mouse DNA or cDNA encoding genes involved in cardiovascular disease

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003671

**Description of Organism:** *Escherichia coli* (Migula 1895) Castellani & Chalmers 1919

*Escherichia coli* (strain K12 or B derivatives) modified with non-conjugative plasmid vectors; human (excluding Maori) or mouse DNA or cDNA encoding genes involved in cardiovascular disease

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003672

**Description of Organism:** *Homo sapiens* (Linnaeus, 1758) cell lines

*Homo sapiens* cell lines (including HepG2, HeLa, THP-1, U937, 1BR3, 1184, 1221, 1306, 293) modified with non-conjugative plasmid vectors; human (excluding Maori) or mouse DNA or cDNA encoding genes involved in cardiovascular disease

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003673

**Description of Organism:** *Mus musculus* Linnaeus, 1758 cell lines

*Mus musculus* cell lines (including fibroblast and macrophage cell lines) modified with non-conjugative plasmid vectors; human (excluding Maori) or mouse DNA or cDNA encoding genes involved in cardiovascular disease

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003674

**Description of Organism:** *Rattus norvegicus* (Berkenhout, 1796) cell lines

*Rattus norvegicus* cell lines (including rat hepatoma cell line, MCA-RH777) modified with non-conjugative plasmid vectors; human (excluding Maori) or mouse DNA or cDNA encoding genes involved in cardiovascular disease

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003675

**Applicant:** University of Otago

**Institute Code:** GMO05/UO003

**Application Code:** GMD05043

**Purpose:** The mice to be developed will be used to identify risk factors for degenerative diseases that affect the motor portion of the brain. This will aid the development of potential treatments for these diseases. Update of GMO04/UO038

**Decision Notified:** 31 March 2005

**Description of Organism:** *Mus musculus* Linnaeus, 1758

*Mus musculus* (strains marked for neurological studies A (MNSA));

mice strains generated by the interbreeding of: Tgfb2 (tm1Doe) (GMC000101); AMH-KO (GMC001247); AMHR11-Cre (GMC001197); alpha-actin-Cre (GMC000115); fSMAD4 (GMC001197); neuro YFP (GMC001197); Rosa26-Cre reporter (GMC001184); and by crossing progeny mice with the above mouse strains

**Containment:** PC2

**Category:** B

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003676

**Applicant:** University of Otago

**Institute Code:** GMO05/UO002

**Application Code:** GMD05044

**Purpose:** To develop genetic markers that can be used to measure genetic relatedness among parasites

**Decision Notified:** 5 April 2005

**Description of Organism:** *Escherichia coli* (Migula 1895) Castellani & Chalmers 1919

*Escherichia coli* (strain K12 and B derivatives) modified with non-conjugative plasmids; microsatellite DNA from parasitic worms of the phyla: Platyhelminthes, Nematoda, and Acanthocephala

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003716

**Applicant:** University of Otago

**Institute Code:** GMO04/UO047

**Application Code:** GMD05046

**Purpose:** To develop *Escherichia coli* modified with *Caenorhabditis elegans* cDNA for the purpose of teaching the technique of double-stranded RNA (dsRNA) interference in undergraduate laboratories

**Decision Notified:** 30 March 2005

**Description of Organism:** *Escherichia coli* (Migula 1895) Castellani & Chalmers 1919

*Escherichia coli* (strain K12 and B derivatives) modified with non-conjugative plasmid; cDNA containing the *Caenorhabditis elegans* unc-22 gene

**Containment:** PC1

**Category:** A

**Decision:** Approved with Controls

**ERMA Approval Code:** GMD003717

#### AMENDMENTS TO APPROVALS

There have been no amendments made under section 67A of the HSNO Act for minor or technical errors amendments during this period.

## HAZARDOUS SUBSTANCES

### NOTIFIED APPLICATIONS RECEIVED AND OPEN FOR SUBMISSIONS

The applications in the Bulletin are for reference only. Our public notification process includes alerts in four main daily newspapers with the full information and submission forms available on our website.

To ensure that you are advised directly about applications open for public submission contact us at [info@erманz.govt.nz](mailto:info@erманz.govt.nz) to be added to our interested party list. You will need to nominate the types of applications that you are interested in.

#### Applicant: Taranaki Nuchem Limited

**Application Code:** HSR05039

**Purpose:** To import, manufacture and release CobraTM, an agricultural fungicide for the control of blights in potatoes

**Date Publicly Notified:** 12 April 2005

**Date Submissions Close:** 25 May 2005

#### Applicant: GE Infrastructure, Water and Process Technologies

**Application Code:** HSR05033

**Purpose:** To import Fuelsolv FMG2960, a fireside deposit and corrosion inhibitor for use in coal fired boilers

**Date Publicly Notified:** 14 April 2005

**Date Submissions Close:** 27 May 2005

#### Applicant: Osmose New Zealand

**Application Code:** HSR05034

**Purpose:** To manufacture a timber preservative containing copper and didecyl dimethyl ammonium chloride for use in New Zealand and for export.

**Date Publicly Notified:** 22 April 2005

**Date Submissions Close:** 07 June 2005

## NON-NOTIFIED APPLICATIONS RECEIVED

#### Applicant: Connovation Limited

**Application Code:** HSC05005

**Purpose:** To permit cage and field studies to be undertaken in support of Registration of a Vertebrate Toxic Agent

**Date Formally Received:** 15 April 2005

#### Applicant: Fort Dodge New Zealand Limited

**Application Code:** HSC05008

**Purpose:** To enable a study to be carried out to demonstrate the efficacy of experimental anthelmintic formulations against natural parasite infections in cattle under New Zealand conditions

**Date Formally Received:** 12 April 2005

## APPLICATIONS WITHDRAWN

#### Applicant: BOC Limited

**Application Code:** HSR05001

**Purpose:** To manufacture VAPORMATE fumigant, a non-flammable post-harvest fumigant for the control of insect pests in stored cereal grains, oilseeds, grain storage premises and equipment and horticultural produce

**Date Formally Received:** 18 February 2005

**Date Withdrawn:** 14 April 2005

#### Applicant: Taranaki Nuchem Limited

**Application Code:** HSR05017

**Purpose:** To approve the manufacture and release of Tribute, a fungicide in the form of a formulated suspension concentrate for use in onion, peas, and ryegrass seed crops

**Date Formally Received:** 07 February 2005

**Date Withdrawn:** 14 April 2005

## DECISIONS ON APPLICATIONS

#### Applicant: Reckitt Benckiser (New Zealand) Limited

**Application Code:** HSR04056

**Purpose:** To import RB-2-115, a laundry care product, into New Zealand

**Decision Notified:** 06 April 2005

**Decision:** Approved with Controls

**Identifier for Substance:** RB-2-115

**Classification:** 6.3B Skin Irritant, 8.3A Eye Corrosive, 6.8B Reproductive /Developmental Toxicity, 6.9B Target Organ Systemic Toxicant, 9.1D Toxic to Aquatic Environment

**ERMA Approval Code:** HSR001590

**Controls:**

Control Code <sup>8</sup>	Regulation <sup>9</sup>	Explanation <sup>10</sup>
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T4, E6	7	Requirements for equipment used to handle RB-2-115
T5	8	Requirements for protective clothing and equipment
T7	10	Restrictions on the carriage of hazardous substances on passenger service vehicles
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36 (1)–(7)	General identification requirements
I2	8	Priority identifiers for corrosive substances
I10	19	Secondary identifiers for corrosive substances
I11	20	Secondary identifiers for ecotoxic substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I22	40	Specific documentation requirements for corrosive substances
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
I30	53	Advertising corrosive and toxic substances

<sup>8</sup> Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website [www.ermanz.govt.nz/resources](http://www.ermanz.govt.nz/resources) and is also contained in the ERMA New Zealand *User Guide to HSNO Control Regulations*.

<sup>9</sup> These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

<sup>10</sup> These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7 (1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
P13, 14	19, 20	Packaging requirements for RB-2-115
PG3	Schedule 3	This schedule describes the (minimum) packaging requirements that must be complied with for this substance. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UN PGIII).
PS4	Schedule 4	This schedule describes the (minimum) packaging requirements that must be complied with for this substance.
Hazardous Substances (Disposal) Regulations 2001		
D4, D5	8, 9	Disposal requirements for RB-2-115
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM2	8(a)	Information requirements for corrosive substances
EM6	8(e)	Information requirements for toxic substances
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage

**Applicant: Nalco New Zealand Limited**

**Application Code: HSR04049**

**Purpose:** To import for release EC1120A, a product used in oil and gas well completion for corrosion control

**Decision Notified:** 13 April 2005

**Decision:** Approved with Controls

**Identifier for Substance:** EC1120A

**Classification:** 6.1E Acute Oral Toxicant, 8.2C Skin Corrosive, 8.3A Eye Corrosive, 6.8B Reproductive/developmental Toxicant, 6.9B Target Organ Systemic Toxicant, 9.1A Aquatic Ecotoxicant

**ERMA Approval Code: HSR001613**

**Controls:**

Control Code <sup>11</sup>	Regulation <sup>12</sup>	Explanation <sup>13</sup>
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T2	29, 30	Controlling exposure in places of work
T4, E6	7	Requirements for equipment used to handle EC1120A
T5	8	Requirements for protective clothing and equipment
T7	10	Restrictions on the carriage of EC1120A on passenger service vehicles
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36 (1)–(7)	General identification requirements
I2	8	Priority identifiers for corrosive substances
I3	9	Priority identifiers for ecotoxic substances
I8	14	Priority identifiers for certain toxic substances
I9	18	Secondary identifiers for all hazardous substances
I10	19	Secondary identifiers for corrosive substances
I11	20	Secondary identifiers for ecotoxic substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I22	40	Specific documentation requirements for corrosive substances
I23	41	Specific documentation requirements for ecotoxic substances

<sup>11</sup> Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website [www.ermanz.govt.nz/resources](http://www.ermanz.govt.nz/resources) and is also contained in the ERMA New Zealand *User Guide to HSNO Control Regulations*.

<sup>12</sup> These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

<sup>13</sup> These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

EM13	42	<b>Level 3 emergency management requirements – signage</b>
<b>Hazardous Substances (Tank Wagons and Transportable Containers) Regulations</b>		
	Regs 4 to 43	These regulations specify requirements for various types of tanks, tank wagons and transportable containers that carry hazardous substances and should be complied with as relevant.
<b>S77A controls</b>		
EC1120A shall only be used in industrial processing facilities.		
The controls relating to stationary container systems, as set out in Schedule 8 of the Hazardous Substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice (New Zealand Gazette Issue No 35, 26 March 2004) shall apply to this substance, notwithstanding clause 1(1) of that schedule.		

**Applicant:** Rentokil Initial Limited

**Application Code:** HSR04067

**Purpose:** To import P70, a sanitizer product for use as a biocide in flushing toilet systems

**Decision Notified:** 13 April 2005

**Decision:** Approved with Controls

**Identifier for Substance:** P70

**Classification:** 3.1C Flammable Liquid, 6.1D Acute Oral Toxicant, 8.2B Skin Corrosive, 8.3A Eye Corrosive, 6.5B Skin Sensitiser, 6.7B Carcinogenic, 9.1A Toxic to Aquatic Environment, 9.3C Toxic to Terrestrial Vertebrates

**ERMA Approval Code:** HSR001614

**Controls:**

Control Code <sup>14</sup>	Regulation <sup>15</sup>	Explanation <sup>16</sup>
<b>Hazardous Substances (Classes 1 to 5 Control Regulations) Regulations 2001 - Flammable Property Controls</b>		
F1	7	General test certification requirements for all class 1 to 5 substances
F3	55	General limits on flammable substances
F5	58–59	Requirements for hazardous atmosphere zones for P70.
F6	60–70	Requirements to prevent unintended ignition of P70
F11	76	Segregation of incompatible substances
F12	77	Requirement to establish a hazardous substance location if flammable substances are present
F14	81	Test certification requirements for facilities where P70 is present
F16	83	Controls on transit depots where flammable substances are present

<sup>14</sup> Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website [www.ermanz.govt.nz/resources](http://www.ermanz.govt.nz/resources) and is also contained in the ERMA New Zealand *User Guide to HSNO Control Regulations*.

<sup>15</sup> These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

<sup>16</sup> These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

<b>Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls</b>		
T2	29, 30	Controlling exposure in places of work
T4, E6	7	Requirements for equipment used to handle hazardous substances
T5	8	Requirements for protective clothing and equipment
T7, F2	10	Restrictions on the carriage of hazardous substances on passenger service vehicles
<b>Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Ecotoxic Property Controls</b>		
E1	32–45	Limiting exposure to ecotoxic substances
<b>Hazardous Substances (Identification) Regulations 2001</b>		
I1	6, 7, 32–35, 36 (1)–(7)	General identification requirements
I2	8	Priority identifiers for corrosive substances
I3	9	Priority identifiers for ecotoxic substances
I5	11	Priority identifiers for flammable substances
I8	14	Priority identifiers for certain toxic substances
I9	18	Secondary identifiers for all hazardous substances
I10	19	Secondary identifiers for corrosive substances
I11	20	Secondary identifiers for ecotoxic substances
I13	22	Secondary identifiers for flammable substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I20	36(8)	Durability of information for class 6.1 substances
I21	37–39, 47–50	Documentation required in places of work
I22	40	Specific documentation requirements for corrosive substances
I23	41	Specific documentation requirements for ecotoxic substances
I25	43	Specific documentation requirements for flammable substances
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
I30	53	Advertising corrosive and toxic substances
<b>Hazardous Substances (Packaging) Regulations 2001</b>		
P1	5, 6, 7 (1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities

P14, P5, P13, P15	20, 11, 19, 21	<b>Packaging requirements for P70</b>
PG2, PG3	Schedule 2, Schedule 3	<b>This schedule describes the (minimum) packaging requirements that must be complied with for this substance. The tests in Schedule 2 correlate to the packaging requirements of UN Packing Group II (UN PGII).</b>
PS4	Schedule 4	<b>This schedule describes the (minimum) packaging requirements that must be complied with for this substance.</b>
<b>Hazardous Substances (Disposal) Regulations 2001</b>		
D2	6	<b>Disposal requirements for flammable substances</b>
D4, D5	8, 9	<b>Disposal requirements for P70</b>
D6	10	<b>Disposal requirements for packages</b>
D7	11, 12	<b>Disposal information requirements</b>
D8	13, 14	<b>Disposal documentation requirements</b>
<b>Hazardous Substances (Emergency Management) Regulations 2001</b>		
EM1	6, 7, 9–11	<b>Level 1 emergency management information: General requirements</b>
EM2, EM6	8(a), 8(e)	<b>Information requirements for corrosive substances</b>
EM7	8(f)	<b>Information requirements for ecotoxic substances</b>
EM8	12–16, 18–20	<b>Level 2 emergency management information requirements</b>
EM9	17	<b>Specific documentation requirements for P70</b>
EM10	21–24	<b>Fire extinguishers</b>
EM11	25–34	<b>Level 3 emergency management requirements – emergency response plans</b>
EM12	35–41	<b>Level 3 emergency management requirements – secondary containment</b>
EM13	42	<b>Level 3 emergency management requirements – signage</b>
<b>Tank Wagon and Transportable Containers Controls</b>		
	Regs 4 to 43 where applicable	<b>These regulations specify requirements for various types of tanks, tankwagons and transportable containers that carry hazardous substances and should be complied with as relevant.</b>
<b>Controls under section 77A</b>		
<b>P70 shall only be used as a biocide to treat toilet systems in the professional hygiene service.</b>		
<b>The controls relating to adverse effects of unintended ignition of class 2 and class 3.1 hazardous substances, set out in Schedule 10 of the Hazardous Substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice 2004, found in the New Zealand Gazette Notice of Thursday, 25 March 2004, Issue Number 35, notwithstanding clause (1) of the schedule.</b>		

**Applicant: Bayer New Zealand Limited**

**Application Code: HSR04023**

**Purpose:** To import Melody Duo, a fungicide intended for the control of early and late blight in potatoes, and downy mildew in onions

**Decision Notified:** 20 April 2005

**Decision:** Approved with Controls

**Identifier for Substance:** Melody Duo

**Classification:** 6.1E Acute Toxicity (inhalation), 6.3B Skin Irritation, 6.4A Eye Irritation, 6.5B Skin Sensitisation, 6.7B Suspected human carcinogen, 6.9A Target Organ Systemic Toxicity, 9.1A Aquatic Ecotoxicity

**ERMA Approval Code: HSR001616**

**Controls:**

Control Code <sup>17</sup>	Regulation <sup>18</sup>	Explanation <sup>19</sup>
<b>Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls</b>		
T1	11–27	<b>Limiting exposure to Melody Duo</b>
T3, E5	5, 6	<b>Requirements for keeping records of use for hazardous substances.</b>
T4, E6	7	<b>Requirements for equipment used to handle hazardous substances</b>
T5	8	<b>Requirements for protective clothing and equipment</b>
T6	9	<b>Approved handler requirements</b>
T7	10	<b>Restrictions on the carriage of hazardous substances on passenger service vehicles</b>
<b>Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Ecotoxic Property Controls</b>		
E2	46–48	<b>Restrictions on use within application area</b>
<b>Hazardous Substances (Identification) Regulations 2001</b>		
I1	6, 7, 32–35, 36 (1)–(7)	<b>General identification requirements</b>
I3	9	<b>Priority identifiers for ecotoxic substances</b>
I8	14	<b>Priority identifiers for certain toxic substances</b>
I9	18	<b>Secondary identifiers for all hazardous substances</b>
I11	20	<b>Secondary identifiers for ecotoxic substances</b>
I16	25	<b>Secondary identifiers for toxic substances</b>
I17	26	<b>Use of Generic Names</b>
I18	27	<b>Use of Concentration Ranges</b>
I19	29–31	<b>Alternative information in certain cases</b>

<sup>17</sup> Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website [www.ermanz.govt.nz/resources](http://www.ermanz.govt.nz/resources) and is also contained in the ERMA New Zealand *User Guide to HSNO Control Regulations*.

<sup>18</sup> These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

<sup>19</sup> These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

I21	37–39, 47-50	Documentation required in places of work
I23	41	Specific documentation requirements for ecotoxic substances
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
I30	53	Advertising toxic substances
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7 (1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
P13, P15	19, 21	Packaging requirements for Melody Duo
PG3	Schedule 3	This schedule provides the test methods for packaging required to be tested in accordance with this schedule. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UN PGIII).
PS4	Schedule 4	This schedule describes the packaging requirements that may be complied with for this substance when in packages equal to or less than 3kg.
Hazardous Substances (Disposal) Regulations 2001		
D4, D5	8, 9	Disposal requirements for Melody Duo
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM6	8(e)	Information requirements for toxic substances
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM13	Regulation 42	Level 3 emergency management requirements – signage
Hazardous Substances (Personnel Qualification) Regulations 2001		
AH1	4-6	Approved Handler requirements
Additional Control under section 77A		
Melody Duo shall only be used as a fungicide for commercial horticultural use.		

**Applicant: Exel Australia Pty Limited**

**Application Code: TNS05003**

**Purpose:** To tranship Class 1.4C and 1.3G explosives, through the Port of Tauranga on the vessel Direct Kestrel V806

**Decision Notified:** 07 April 2005

**Decision:** Approved with Controls

**Identifier for Substance:** Cartridges, Power Device, Class 1.4C, UN 0276, and Signals, Distress, Class 1.3G, UN 0195

**Classification:** Cartridges, 1.4C and Signals, 1.3G

**ERMA Approval Code: TNS000076 - 77**

**Controls:**

- 1.1 The consignment shall comply with all the relevant provisions of the IMDG code for explosives of the type involved in this shipment. In addition, the following additional controls are stipulated:
- 1.2 The container of explosives shall be stored on board the vessel, whilst in Tauranga.
- 1.3 The container shall be stored in part of the ship not affected by work being carried out on other containers.
- 1.4 While in transit in New Zealand, the container shall remain sealed and not opened unless deemed necessary in response to an emergency.
- 1.5 In the event of any emergency occurring the ship's master shall act in accordance with the Harbour Master's instructions.
- 1.6 A contingency plan to deal with any such emergency shall be in place.
- 1.7 Any significant incident shall be reported to ERMA New Zealand, Environment Bay of Plenty (The Harbour Master), Maritime Safety Authority, the Police and to OSH, as appropriate.

#### DELEGATED AUTHORITY

The Chief Executive of the Environmental Risk Management Authority, acting under delegated power from the Authority, reached a decision on the following applications:

**Applicant: BASF New Zealand**

**Application Code: HSC05006**

**Purpose:** To import into containment BNZ0405 for the purpose of assessing the efficacy, crop selectivity and the residue decay profile (field trial)

**Decision Notified:** 01 April 2005

**Decision:** Approved with Controls

<sup>20</sup> The Trial Director is the individual appointed by the applicant to be responsible for the overall conduct of the trial in accordance with the Management Plan and approval controls.

**Identifier for Substance:** BNZ0405

**ERMA Approval Code: HSC000152**

**Controls:**

1. The trials shall be undertaken in accordance with the Management Plan, which accompanied the application. Modifications of the Management Plan may be approved in writing by ERMA New Zealand providing that they comply with the following controls.
2. Notwithstanding the requirements of control 1 above, the trials shall also comply with the following controls:
3. The trials may be carried out at a location that is not defined until an infestation of the target pest has been found, only if the applicant;
  - has permission from the owner of the land to carry out the trial; and
  - notifies ERMA New Zealand of the location as per control 22.
4. The trial sites shall be chosen so as to prevent the substance entering any surface water or groundwater system.
5. The trial sites shall be located to prevent any building where people live or work being exposed to the substance.
6. Access to the trial sites shall be by permission of the Trial Director<sup>20</sup> or owner of the property on which it is located. The trial site boundaries shall be clearly marked and distinctly visible from outside the trial site throughout the life of the trials. The trial sites shall be signed indicating that unauthorised access is not allowed, that the site is subject to a trial, and that the crops should not be removed or disturbed.
7. In any location where it is possible for grazing animals to access the trial site, the trial sites shall be secured by stock proof fencing to exclude grazing animals for the duration of the trial.
8. The substance shall be stored in accordance with the Code of Practice for the Management of Agrichemicals NZS8409:2004.
9. The substance shall be mixed, diluted and prepared in any other way prior to application in accordance with the relevant sections of the Code of Practice for the Management of Agrichemicals NZS8409:2004.
10. The substance shall be securely packed in suitable containers that comply with the Hazardous Substances (Packaging) Regulations 2001, and shall be labelled in accordance with the Hazardous Substances (Identification) Regulations 2001. A Safety Data Sheet shall accompany each shipment.

11. The substance shall be transported in compliance with any relevant requirements of the Land Transport Rule: Dangerous Goods 1999.
12. The substance shall be applied by way of hand-held/operator-worn equipment, using hydraulic pressure or compressed CO<sub>2</sub> or air on plots specifically designated and marked for each treatment, in accordance with the Code of Practice for the Management of Agrichemicals NZS8409:2004. Special attention shall be paid to the minimisation of spray drift, and in particular to the avoidance of drift beyond boundaries agreed with the owner of the trial site.
13. The personnel applying the substance to the crops shall be able to demonstrate that they have the qualifications necessary to carry out the trial. Ways of demonstrating this would include the holding of appropriate Growsafe certification or an Approved Handler qualification.
14. No sprayed produce shall be consumed by people or animals or offered for sale.
15. Sprayed produce shall be disposed of by ploughing in, by mulching or by burial at an approved landfill (not to be diverted to any composting operation).
16. The amount of spray prepared shall be adequate for the trial site, but if there is any surplus spray mix it shall be disposed of within the trial site by being further diluted and sprayed over a marked and designated non-crop and non-grazed area at the site.
17. Any equipment used shall be rinsed after use with the appropriate detergent or decontaminant, and rinsate disposed of within the trial site by being sprayed over a marked and designated non-crop and non-grazed area at the site.
18. Surplus substance remaining at the end of the trials shall be returned to BASF New Zealand Limited for secure storage in an exempt laboratory, exported or degraded to non-hazardous substances (note that once the trials are complete the substances do not have approval to be present in New Zealand except in an exempt laboratory).
19. Any accidental spillage of the unmixed substance or spray mix shall be contained, prevented from entering waterways, and absorbed with an appropriate absorbent material. This material shall be placed into sealed containers and disposed of at an appropriate waste disposal facility (which may include a landfill), subject to the facility's waste acceptance policy.
20. A record shall be kept of all use of the substance. This record shall cover all matters referred to in Regulation 6 of the Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001.
21. Information on appropriate safety precautions necessary to provide safeguards against the substance's toxic and ecotoxic properties shall accompany the substance at all stages of its lifecycle. Personal protective equipment shall be worn when handling the substance throughout the lifecycle.
22. Occupational Safety and Health, Head Office [Attn. HSNO Project Manager (OSH) or equivalent position] and ERMA New Zealand shall be informed in writing (by letter, fax or email) of the location, start, and completion of the trials. Notifications shall include the following details:

Substance name	BNZ0405
ERMA Application number	HSC05006
ERMA Approval number	HSC000152
ERMA Applications Advisor	Emma Doust

23. If for any reason a breach of containment occurs, the Trial Director shall notify OSH and ERMA New Zealand within 24 hours of the breach being detected. It is suggested that if a breach in containment results in contamination of a waterway, the relevant iwi authorities be advised.
24. The Authority or its authorised agent or properly authorised enforcement officers, may inspect the facilities and trial sites at any reasonable time.
25. This approval remains in place for the term of any concurrent approval required under the Agricultural Compounds and Veterinary Medicines Act 1997, to a maximum of five years.
26. The maximum total quantity of the substance that shall be imported or manufactured under this approval is 1.5 litres.

**Applicant: Fort Dodge New Zealand Limited**

**Application Code: HSC05007**

**Purpose:** To enable a study to be carried out to demonstrate the efficacy of experimental anthelmintic formulations against natural parasite infections in cattle under New Zealand conditions (field trial)

**Decision Notified:** 29 April 2005

**Decision:** Approved with Controls

**Identifier for Substance:** Moxidectin A Pour-On

**ERMA Approval Code: HSC000153**

**Controls:**

1. The trials shall be undertaken in accordance with the Management Plan which accompanied the application. Modifications of the Management Plan may be approved in writing by ERMA New Zealand providing that they comply with the following controls.
2. Notwithstanding the requirements of control 1 above, the trials shall also comply with the following controls:
3. The substance shall be applied to the animals in appropriate cattle yards. The trial shall be conducted in such a way as to prevent the substance entering any surface water or groundwater system.
4. Access to the trial site shall be by permission of the Trial Director<sup>21</sup> or owner of the property on which it is located. The primary access points shall be signed indicating that unauthorised access is not allowed and that a trial is being conducted on the site.
5. The substance shall be stored in accordance with good practice. This would generally be achieved through compliance with the Code of Practice for the Management of Agrichemicals NZS8409.
6. The substance shall be securely packed in suitable containers that comply with the Hazardous Substances (Packaging) Regulations 2001, and shall be labelled in accordance with the Hazardous Substances (Identification) Regulations 2001. MSDS for the substance shall accompany each shipment.
7. The substance shall be transported in accordance with good practice. This may require compliance with the Land Transport Rule: Dangerous Goods 1999.
8. Moxidectin A Pour-On shall be applied to the skin along the back of the animals using standard methods with a disposable syringe. The equipment used shall be sealed in a bag and disposed of via incineration.
9. The following withholding periods shall apply to the treated animals: 91 days for meat, and 35 days for milk.
10. Surplus substance remaining at the end of the trials shall be returned to Fort Dodge New Zealand Limited for secure storage in an exempt laboratory, exported or disposed of by an approved method (note that once the trials are completed the substance does not have approval to be present in New Zealand except in an exempt laboratory).
11. Any accidental spillage of the substance shall be contained, prevented from entering waterways,

and absorbed with an appropriate absorbent material. This material shall be placed in sealed containers and disposed of at an appropriate waste disposal facility (which may include a landfill), subject to the facility's waste acceptance policy.

12. A record shall be kept of all use of the substance. This record shall cover all matters referred to in Regulation 6 of the Hazardous Substances (Class 6, 8 and 9 Controls) Regulations 2001.
13. Information on appropriate safety precautions necessary to provide safeguards against the substance's ecotoxic and toxic properties shall accompany the substance at all stages of its lifecycle. Safety glasses, gloves and protective clothing shall be worn when handling the substance throughout its lifecycle.
14. Occupational Safety and Health, Head Office [Attn. HSNO Project Manager (OSH) or equivalent position] and ERMA New Zealand shall be informed in writing (by letter, fax or email) of the location, start, and completion of the trials. Notifications shall include the following details:

Substance name	Moxidectin A Pour-On
ERMA Application number	HSC05007
ERMA Approval number	HSC000153
ERMA Applications Advisor	Emma Doust

15. If for any reason a breach of containment occurs, the Trial Director shall notify OSH and ERMA New Zealand within 24 hours of the breach being detected. It is suggested that if a breach in containment results in contamination of a waterway, the relevant iwi authorities be advised.
16. The Authority or its authorised agent or properly authorised enforcement officers, may inspect the facilities and trial sites at any reasonable time.
17. This approval remains in place for the term of any concurrent approval required under the Agricultural Compounds and Veterinary Medicines Act 1997, to a maximum of five years.
18. The maximum total quantity that shall be imported under this approval is 500mL of Moxidectin A Pour-On.

<sup>21</sup> The Trial Director is the individual appointed by the applicant to be responsible for the overall conduct of the trial in accordance with the Management Plan and approval controls.

**Applicant: HaS Expertise Limited**

**Application Code: HSR05023**

**Purpose:** To import or manufacture J57.10C, a timber preservative assessed as having the same hazardous properties as the reference substance Vacsol Azure (similar)

**Decision Notified:** 05 April 2005

**Decision:** Approved with Controls

**Identifier for Substance:** J57.10C

**Classification:** 3.1C Flammable liquid, 6.1E (oral -aspiration hazard - and inhalation) Acute toxicity, 6.3B Skin irritation, 6.5A Respiratory sensitization, 6.5B Contact (dermal) sensitization, 6.9B Target organ/systemic toxicant, 9.1A Aquatic ecotoxicant, 9.4B Terrestrial invertebrate ecotoxicant

**ERMA Approval Code: HSR000974**

**Controls:**

Control Code <sup>22</sup>	Regulation <sup>23</sup>	Explanation <sup>24</sup>
<b>Hazardous Substances (Classes 1 to 5 Control Regulations) Regulations 2001 – Flammable Property Controls</b>		
F1	7	General test certification requirements for all class 1 to 5 substances
F3	55	General limits on flammable substances
F5	58–59	Requirements regarding hazardous atmosphere zones for flammable liquids (3.1)
F6	60–70	Requirements to prevent unintended ignition of liquids (3.1)
F11	76	Segregation of incompatible substances
F12	77–78	General requirement for hazardous substance locations for flammable substances
F14	81	Test certification requirements for facilities where class 3.1 substances are present
F16	83	Controls on transit depots where flammable substances are present
<b>Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls</b>		
T2	29, 30	Controlling exposure in places of work
T4, E6	7	Requirements for equipment used to handle hazardous substances
T5	8	Requirements for protective clothing and equipment
T7, F2	10	Restrictions on the carriage of hazardous substances on passenger service vehicles
<b>Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Ecotoxic Property Controls</b>		
E1	32–45	Limiting exposure to ecotoxic substances

<sup>22</sup> Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website [www.ermanz.govt.nz/resources](http://www.ermanz.govt.nz/resources) and is also contained in the ERMA New Zealand *User Guide to HSNO Control Regulations*.

<sup>23</sup> These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

<sup>24</sup> These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

E3	49	Controls relating to protection of terrestrial invertebrates e.g. beneficial insects
E5	5(2), 6	Requirements for keeping records of use
E7	9 (3) (4)	Approved handler requirements
<b>Hazardous Substances (Identification) Regulations 2001</b>		
I1	6, 7, 32–35, 36 (1)–(7)	General identification requirements
I3	9	Priority identifiers for ecotoxic substances
I5	11	Priority identifiers for flammable substances
I8	14	Priority identifiers for certain toxic substances
I9	18	Secondary identifiers for all hazardous substances
I11	20	Secondary identifiers for ecotoxic substances
I13	22	Secondary identifiers for flammable substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I23	41	Specific documentation requirements for ecotoxic substances
I25	43	Specific documentation requirements for flammable substances
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
I30	53	Advertising toxic substances
<b>Hazardous Substances (Packaging) Regulations 2001</b>		
P1	5, 6, 7 (1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
P5, P13, P15	11, 19, 21	Packaging requirements for J57.10C
PG3	Schedule 3	This schedule describes the (minimum) packaging requirements that must be complied with for this substance. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UN PGIII).
<b>Hazardous Substances (Disposal) Regulations 2001</b>		
D2	6	Disposal requirements for flammable substances
D4	8	Disposal requirements for toxic and corrosive substances
D5	9	Disposal requirements for ecotoxic substances

D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
<b>Hazardous Substances (Emergency Management) Regulations 2001</b>		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM6	8(e)	Information requirements for toxic substances
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management documentation requirements
EM9	17	Specific documentation requirements for flammable and oxidising substances and organic peroxides
EM10	21–24	Fire extinguishers
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage
<b>Hazardous Substances (Personnel Qualification) Regulations 2001</b>		
AH1	4–6	Approved Handler requirements (including test certificate and qualification requirements)
<b>Hazardous Substances (Tracking) Regulations 2001</b>		
TR1	4(1), 5, 6	General tracking requirements
<b>Hazardous Substances (Tank Wagons and Transportable Containers) Regulations 2004</b>		
	Regulations 4 to 43 where	These regulations specify requirements for various types of tanks, tank wagons and transportable containers that carry hazardous substances and applicable should be complied with as relevant.
<b>Additional Controls Under 77A</b>		
<p>The controls relating to stationary container systems as set out in Schedule 8 of the Hazardous Substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice (New Zealand Gazette Issue No 35, 26 March 2004, shall apply to this substance, notwithstanding clause 1(1) of that schedule.</p> <p>The controls relating to secondary containment as set out in Schedule 9 of the Hazardous Substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice (New Zealand Gazette Issue No 35, 26 March 2004, shall apply to this substance, notwithstanding clause 1(1) of that schedule.</p> <p>The controls relating to adverse effects of unintended ignition of class 2 and class 3.1 hazardous substances as set out in Schedule 10 of the Hazardous Substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice (New Zealand Gazette Issue No 35, 26 March 2004) shall apply to this substance, notwithstanding clause 1 of that schedule.</p>		

**Applicant: Livestock Nutrition Technologies****Application Code: HSR05022**

**Purpose:** To import Teric Bloat Block, a molasses based block treatment that acts as an aid in the control of legume bloat/frothy bloat in beef and dairy cattle (low hazard)

**Decision Notified:** 06 April 2005

**Decision:** Approved with Controls

**Identifier for Substance:** Teric Bloat Block

**Classification:** 6.4A eye irritant, 9.1D aquatic ecotoxicant

**ERMA Approval Code:** HSR001591

**Controls:**

Control Code <sup>25</sup>	Regulation <sup>26</sup>	Explanation <sup>27</sup>
<b>Hazardous Substances (Identification) Regulations 2001</b>		
I1	6, 7, 32–35, 36 (1)–(7)	General identification requirements
I9	18	Secondary identifiers for all hazardous substances
I11	20	Secondary identifiers for ecotoxic substances
I16	25	Secondary identifiers for toxic substances
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
<b>Hazardous Substances (Packaging) Regulations 2001</b>		
P1	5, 6, 7 (1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
P13	19	Packaging requirements for toxic substances
PS4	Schedule 4	This schedule describes the (minimum) packaging requirements that must be complied with for this substance.
<b>Hazardous Substances (Disposal) Regulations 2001</b>		
D4 and D5	8 and 9	Disposal requirements for Teric Bloat Block
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements

<sup>25</sup> Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website [www.ermanz.govt.nz/resources](http://www.ermanz.govt.nz/resources) and is also contained in the ERMA New Zealand *User Guide to HSNO Control Regulations*.

<sup>26</sup> These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

<sup>27</sup> These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM6	8(e)	Information requirements for toxic substances
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM13	42	Level 3 emergency management requirements – signage

**Applicant:** Shell New Zealand Limited

**Application Code:** HSR05038

**Purpose:** To import and release Shell Racing Fuel WRC 2004 for use as a racing fuel in spark ignition engines

**Decision Notified:** 11 April 2005

**Decision:** Approved with Controls

**Identifier for Substance:** Shell Racing Fuel WRC 2004

**Classification:** 3.1A Flammable liquid, 6.1E (aspiration hazard) Acute toxicity, 6.3B Skin Irritation, 6.7B Carcinogenicity, 9.1B Aquatic ecotoxicity

**ERMA Approval Code:** HSR001593

**Controls:**

Hazardous Substances (Classes 1 to 5 Control Regulations) Regulations 2001 – Flammable Property Controls		
F1	7	General test certification requirements for all class 1 to 5 substances
F2, T7	8, 10	General public transportation restrictions and requirements for all class 1 to 5 substances
F3	55	General limits on flammable substances
F4	56	Approved handler requirements
F5	58–59	Requirements for hazardous atmosphere zones for class 2.1.1, class 2.1.2 and class 3.1 substances.
F6	60–70	Requirements to reduce the likelihood of unintended ignition of class 2.1.1, class 2.1.2 and class 3.1 substances.
F11	76	Segregation of incompatible substances
F12	77	Requirement to establish a hazardous substance location if flammable substances are present
F14	81	Test certification requirements for facilities where class 2.1.1, 2.1.2 or 3.1 substances are present
F16	83	Controls on transit depots where flammable substances are present
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T1	11–27	Limiting exposure to toxic substances
T2	29, 30	Controlling exposure in places of work

T4, E6	7	Requirements for equipment used to handle hazardous substances
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Ecotoxic Property Controls		
E1	32–45	Limiting exposure to ecotoxic substances
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36 (1)–(7)	General identification requirements
I3	9	Priority identifiers for ecotoxic substances
I5	11	Priority identifiers for flammable substances
I8	14	Priority identifiers for certain toxic substances
I9	18	Secondary identifiers for all hazardous substances
I11	20	Secondary identifiers for ecotoxic substances
I13	Regulation 22	Secondary identifiers for flammable substances
I16	25	Secondary identifiers for toxic substances
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I21	37–39, 47–50	Documentation required in places of work
I23	41	Specific documentation requirements for ecotoxic substances
I25	43	Specific documentation requirements for flammable substances
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7 (1), 8	General packaging requirements
P3, P5, P13, P15	9, 11, 19, 21	Packaging requirements for substances packed in limited quantities
PG2	Schedule 2	This schedule describes the (minimum) packaging requirements that must be complied with for this substance. The tests in Schedule 2 correlate to the packaging requirements of UN Packing Group II (UN PGII).
PS4	Schedule 4	This schedule describes the (minimum) packaging requirements that must be complied with for this substance.
Hazardous Substances (Disposal) Regulations 2001		
D2, 4, 5	6, 8, 9	Disposal requirements for Shell Racing Fuel WRC 2004
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements

Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM4	8(c)	Additional information requirements for flammable substances
EM6	8(e)	Information requirements for toxic substances
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM9	17	Specific documentation requirements for flammable and oxidising substances and organic peroxides
EM10	21–24	Fire extinguishers
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	32–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage
Hazardous Substances (Personnel Qualification) Regulations 2001		
AH1	4–6	Approved Handler requirements
Hazardous Substances (Tracking) Regulations 2001		
TR1	4–6	Regulations 4-6 do not apply to Shell Racing Fuel WRC 2004
Tank Wagon and Transportable Containers Controls		
	Regulations 4 to 43 where applicable	The Hazardous Substance (Tank Wagon and Transportable Containers) Regulations 2004 prescribe a number of controls relating to tank wagons and transportable containers.
Controls under section 77A		
<p>This substance is only to be used as a fuel in motor sport events and is not to be offered for general sale or supply. It must not be stored in fixed aboveground or underground stationary container systems.</p> <p>This approval shall expire on 30 June 2005.</p> <p>Prior to the expiry of this approval, it shall be replaced by a containment approval or a full approval.</p> <p>The controls relating to adverse effects of unintended ignition of class 2 and class 3.1 hazardous substances, set out in Schedule 10 of the Hazardous Substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice (New Zealand Gazette Issue No. 35, 26 March 2004, Issue Number 35, as amended by Issue No. 128, 1 October 2004), shall apply to this substance, notwithstanding clause 1 of the schedule.</p>		

**Applicant: Hometeam New Zealand Limited**

**Application Code: HSR05019**

**Purpose:** To import or manufacture Hometeam Permethrin 500EC, an emulsifiable concentrate for use as an insecticide (similar)

**Decision Notified:** 12 April 2005

**Decision:** Approved with Controls

**Identifier for Substance:** Hometeam Permethrin 500EC

**Classification:** 6.1D (acute oral and inhalation) Acute toxicity, 6.3B Skin irritant, 6.4A Eye irritant, 6.5A/B Respiratory and skin sensitisation, 6.9B Target organ/systemic toxicant, 9.1A Aquatic ecotoxicant, 9.3B Terrestrial vertebrate ecotoxicant, 9.4A Terrestrial vertebrate ecotoxicant

**ERMA Approval Code: HSR001592**

**Controls:**

Control Code <sup>28</sup>	Regulation <sup>29</sup>	Explanation <sup>30</sup>
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic and Ecotoxic Property Controls		
T1	11–27	Limiting exposure to toxic substances
T2	29, 30	Controlling exposure in places of work
T4, E6	7	Requirements for equipment used to handle hazardous substances
T5	8	Requirements for protective clothing and equipment
T7	10	Restrictions on the carriage of hazardous substances on passenger service vehicles
E1	32–45	Limiting exposure to ecotoxic substances
E2	46–48	Restrictions on use within application area
E3	49	Controls relating to protection of terrestrial invertebrates eg. beneficial insects
E5	5(2), 6	Requirements for keeping records of use
E7	9	Approved handler requirements
Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36 (1)–(7)	General identification requirements
I3	9	Priority identifiers for ecotoxic substances
I8	14	Priority identifiers for certain toxic substances
I9	18	Secondary identifiers for all hazardous substances
I11	20	Secondary identifiers for ecotoxic substances

<sup>28</sup> Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website [www.ermanz.govt.nz/resources](http://www.ermanz.govt.nz/resources) and is also contained in the ERMA New Zealand *User Guide to HSNO Control Regulations*.

<sup>29</sup> These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

<sup>30</sup> These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I20	36(8)	Durability of information for class 6.1 substances
I21	37–39, 47–50	Documentation required in places of work
I23	41	Specific documentation requirements for ecotoxic substances
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
I30	53	Advertising corrosive and toxic substances
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7 (1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
P13, P15	19, 21	Packaging requirements for toxic substances
PG3	Schedule 3	This schedule describes the (minimum) packaging requirements that must be complied with for this substance when packaged in quantities over 1L. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UN PGIII).
PS4	Schedule 4	This schedule describes the (minimum) packaging requirements that may be complied with for this substance when packaged in quantities equal to or less than 1L.
Hazardous Substances (Disposal) Regulations 2001		
D4, D5	8, 9	Disposal requirements for toxic substances
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM6	8(e)	Information requirements for toxic substances
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements
EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage

Hazardous Substances (Personnel Qualification) Regulations 2001		
AH1	4–6	Approved Handler requirements
Hazardous Substances (Tank Wagons and Transportable Containers) Regulations 2004		
	Regulations 4 to 43 where applicable	These regulations specify requirements for various types of tanks, tank wagons and transportable containers that carry hazardous substances and should be complied with as relevant.
Controls for Stationary Container Systems (applied under s 77A)		
The controls relating to stationary container systems, set out in Schedule 8 of the Hazardous Substances (Dangerous Goods and Scheduled Toxic Substances) Transfer Notice 2004, of Thursday, 25 March 2004, Issue Number 35, shall apply, notwithstanding clause 1 (1) of the schedule.		

**Applicant:** Taranaki Nuchem Limited

**Application Code:** HSR05041

**Purpose:** To import or manufacture Tribute SC, a suspension concentrate containing 375g/L of triadimenol for use as a fungicide for cereal crops.

**Decision Notified:** 20 April 2005

**Decision:** Approved with Controls

**Identifier for Substance:** Tribute SC

**Classification:** 6.1D (acute oral) Acute toxicity, 6.9A Target organ/systemic toxicant, 9.1B Aquatic ecotoxicant, 9.2C Soil Toxicant, 9.3C Terrestrial vertebrate ecotoxicant

**ERMA Approval Code:** HSR001615

**Controls:**

Control Code <sup>31</sup>	Regulation <sup>32</sup>	Explanation <sup>33</sup>
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Toxic Property Controls		
T1	11–27	Limiting exposure to toxic substances
T2	29, 30	Controlling exposure in places of work
T4, E6	7	Requirements for equipment used to handle Tribute SC
T5	8	Requirements for protective clothing and equipment
T7	10	Restrictions on the carriage of hazardous substances on passenger service vehicles
Hazardous Substances (Classes 6, 8 and 9 Controls) Regulations 2001 – Ecotoxic Property Controls		
E1	32–45	Limiting exposure to ecotoxic substances
E2	46–48	Restrictions on use within application area

<sup>31</sup> Note: The numbering system used in this column relates to the coding system used in the ERMA New Zealand Controls Matrix. This links the hazard classification categories to the regulatory controls triggered by each category. It is available from the ERMA New Zealand website [www.ermanz.govt.nz/resources](http://www.ermanz.govt.nz/resources) and is also contained in the ERMA New Zealand *User Guide to HSNO Control Regulations*.

<sup>32</sup> These Regulations form the controls applicable to this substance. Refer to the cited Regulations for the formal specification, and for definitions and exemptions. The accompanying explanation is intended for guidance only.

<sup>33</sup> These explanations are for guidance only. Refer to the cited Regulations for the formal specification, and for definitions and exemptions.

Hazardous Substances (Identification) Regulations 2001		
I1	6, 7, 32–35, 36 (1)–(7)	General identification requirements
I3	9	Priority identifiers for ecotoxic substances
I8	14	Priority identifiers for certain toxic substances
I9	18	Secondary identifiers for all hazardous substances
I11	20	Secondary identifiers for ecotoxic substances
I16	25	Secondary identifiers for toxic substances
I17	26	Use of Generic Names
I18	27	Use of Concentration Ranges
I19	29–31	Alternative information in certain cases
I20	36(8)	Durability of information for class 6.1 substances
I21	37–39, 47–50	Documentation required in places of work
I23	41	Specific documentation requirements for ecotoxic substances
I28	46	Specific documentation requirements for toxic substances
I29	51–52	Duties of persons in charge of places with respect to signage
Hazardous Substances (Packaging) Regulations 2001		
P1	5, 6, 7 (1), 8	General packaging requirements
P3	9	Packaging requirements for substances packed in limited quantities
P13, P15	19, 21	Packaging requirements for Tribute SC
PG3	Schedule 3	This schedule describes the (minimum) packaging requirements that must be complied with for this substance. The tests in Schedule 3 correlate to the packaging requirements of UN Packing Group III (UN PGIII).
PS4	Schedule 4	This schedule describes the (minimum) packaging requirements that must be complied with for this substance.
Hazardous Substances (Disposal) Regulations 2001		
D4, D5	8, 9	Disposal requirements for Tribute SC
D6	10	Disposal requirements for packages
D7	11, 12	Disposal information requirements
D8	13, 14	Disposal documentation requirements
Hazardous Substances (Emergency Management) Regulations 2001		
EM1	6, 7, 9–11	Level 1 emergency management information: General requirements
EM6	8(e)	Information requirements for toxic substances
EM7	8(f)	Information requirements for ecotoxic substances
EM8	12–16, 18–20	Level 2 emergency management information requirements

EM11	25–34	Level 3 emergency management requirements – emergency response plans
EM12	35–41	Level 3 emergency management requirements – secondary containment
EM13	42	Level 3 emergency management requirements – signage

## TEST CERTIFIERS

The Chief Executive of the Environmental Risk Management Authority, acting under delegated power from the Authority, reached decisions on the following applications. The full requirements and limitations for the following Test Certifiers are available on our public register or website.

**Applicant: Mike Nankivell**

**Region: Auckland**

**Decision:** Approved with Limitations

**Date of Approval:** 3 November 2004

**ERMA Approval Code: TST000101**

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**Applicant: Tracey Fleming**

**Region: Otago**

**Decision:** Approved with Limitations

**Date of Approval:** 19 April 2005

**ERMA Approval Code: TST000118**

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