

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

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 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@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.

There are currently no notified applications open for submission.

NON-NOTIFIED APPLICATIONS RECEIVED

Applicant: University of Auckland

Application Code: NOC05009

Purpose: Importation into containment of non-pathogenic microorganisms to form a reference collection for diagnostic and taxonomic research purposes

Date Formally Received: 19 December 2005

APPLICATIONS WITHDRAWN

Applicant: ERMA New Zealand

Application Code: NOR04005

Purpose: To import for release two species of mites, *Rhizoglyphus minutus* and *R. singularis* (Family: Acaridae), found in association with imported taro (*Colocasia esculenta*) from the Pacific Islands

Date Formally Received: 10 December 2004

Date Withdrawn: 09 January 2006

DECISIONS ON APPLICATIONS

Applicant: Canterbury Broom Group

Application Code: NOC05012

Purpose: The Canterbury Broom Group seeks permission to import into containment the broom biological control agents *Aceria genistae* and *Agonopterix assimillela* for breeding purposes pending release approval

Decision Notified: 15 December 2005

Description of Organisms: *Aceria genistae* and *Agonopterix assimillela*

Decision: Approved with Controls

ERMA Approval Code: NOC002467 – 68

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

ERMA NEW ZEALAND

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Email: info@ermanz.govt.nz

Website: www.ermanz.govt.nz

Applicant: Landcare Research New Zealand Limited, on behalf of the New Zealand National Herbarium Network

Application Code: NOC04018

Purpose: To import into containment dried herbarium specimens of Kingdoms Plantae, Mycetae, Protista and Cyanobacteria, including seeds, pollen and spores, as reference material to study and improve understanding of the New Zealand flora

Decision Notified: 15 December 2005

Description of Organisms: Dried herbarium specimens of Kingdoms Plantae, Mycetae, Protista and Cyanobacteria

Decision: Approved with Controls

ERMA Approval Code: NOC002466

Applicant: West Coast Ragwort Control Trust

Application Code: NOR05002

Purpose: Approval is sought by the West Coast Ragwort Control Trust to import for release two new moths, *Cochylis atricapitana* (Tortricidae) and *Platyptilia isodactyla* (Pterophoridae), for the biological control of the pasture weed ragwort

Decision Notified: 15 December 2005

Description of Organisms: *Cochylis atricapitana* (Tortricidae) and *Platyptilia isodactyla* (Pterophoridae)

Decision: Approved without Controls

ERMA Approval Code: NOR000016 - 17

Applicant: University of Otago

Application Code: GMD05066

Purpose: Genetically modified fungi and *Escherichia coli* will be generated in order to study how antifungal drugs interact with their targets and how fungal cells become resistant to these drugs

Decision Notified: 16 January 2006

Description of Organisms: *Escherichia coli* (non-pathogenic strains), *Candida albicans*, *Candida dubliniensis*, *Candida glabrata*, *Candida krusei*, *Candida tropicalis*, *Saccharomyces cerevisiae* (non-pathogenic

strains), *Aspergillus fumigatus* and *Cryptococcus neoformans* genetically modified by plasmid vectors or *Escherichia coli*/yeast shuttle vectors containing selectable markers¹, reporter genes, standard protein tags, regulatory sequences² and donor DNA from the fungi listed above. Donor DNA shall encode azole or echinocandin drug targets, or genes involved in azole or echinocandin drug resistance.

- Only one drug target or resistance mechanism will be investigated in each modification.

Decision: Approved with Controls

ERMA Approval Code: GMD004136 - 44

BCH numbers: 11445 - 53

Applicant: Ministry of Agriculture and Forestry - Compliance and Enforcement Group

Application Code: S2605003

Purpose: MAF SPIG is requesting this determination for inclusion in their legal case against a person for possessing unauthorised goods (aquatic plants)

Decision Notified: 26 January 2006

Description of Organisms: *Proserpinaca palustris* L. 1753 (Haloragaceae);

Nesaea pedicellata Hiern (Lythraceae);

Bacopa myriophylloides Wettst. (Scrophulariaceae);

Cladophora aegagropila (L.) Rabenhorst syn: *Aegagropila linnaei* Kütz. 1843;

Pogostemon helferi (Hook.f.) 1982 syn: *Dysophylla helferi* Hook.f. (Labiatae);

Monosolenium tenerum Griff. (Monoseleniaceae);

Eusteralis stellata (Lour.) G. Murata 1976 syn: *Mentha stellata* Buch. -Ham. (Labiatae);

Ludwigia inclinata (L.f.) M.Gómez var. *verticillata* (Munz) Kassel. 2003. syn: *Ludwigia verticillata* Munz 1944 (Onagraceae);

Eriocaulaceae possibly *Eriocaulon* sp³ (CHR 574287); *Eriocaulon* sp³ (Eriocaulaceae) (CHR 574291)

Decision: Determined to be new organisms

1 Including antibiotic resistance genes and genes involved in nutrition biosynthesis to select for genetically modified fungi.

2 Fungal genes will be expressed under the control of their own promoters or alternative fungal promoters that give high or low levels of expression.

3 Undescribed species. On submitting samples to the Landcare Research's Allan Herbarium, these two samples were allocated an accession number (see above) until they are taxonomically classified.

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: Victoria University of Wellington

Application Code: GMC05018

Purpose: To import strains of bakers yeast (*Saccharomyces cerevisiae*) modified with every gene deletion, one deletion per strain ("YGDS") to study the gene networks underlying traits (phenotypes)

Decision Notified: 20 December 2005

Decision: Approved with Controls

Description of Organisms: *Saccharomyces cerevisiae*

ERMA Approval Code: GMC001288

BCH Number: 11324

Applicant: Victoria University of Wellington

Application Code: GMD05111

Purpose: To develop in containment *Escherichia coli* containing DNA derived from microorganisms found in Antarctic environments. The outcome is an enhanced understanding of the microbial ecosystems which exist in these environments

Decision Notified: 10 January 2006

Decision: Approved with Controls

Host organism	Category of host organism	Modified by:	Category of modification/containment level
<i>Escherichia coli</i> (Migula 1895) Castellani & Chalmers 1919 non-pathogenic laboratory strains	1	<p>Standard non-conjugative <i>Escherichia coli</i> cloning plasmid or cosmid vectors containing genomic DNA, cDNA or PCR products derived from environmental microorganisms present in marine and terrestrial environments in Antarctica. Donor sequences will encode phylogenetic markers, such as the 16sRNA and 18sRNA genes, and genomic sequences for library construction.</p> <p>Standard non-conjugative <i>Escherichia coli</i> expression plasmid vectors containing cDNA or PCR products derived from environmental microorganisms present in marine and terrestrial environments in Antarctica. Genetic material expressed will encode genes involved in the survival of microbes under adverse physicochemical conditions found in Antarctica.</p> <p>There shall be no expression of genes encoding known vertebrate toxins.</p> <p>There shall be no expression of uncharacterised sequences from known pathogenic microorganisms.</p> <p>Vectors may also contain standard and commercially available selectable markers, protein purification tags and reporter genes.</p>	A/PC1

ERMA Approval Code: GMD004118

BCH Number: 11414

Applicant: University of Canterbury

Application Code: GMD05118

Purpose: To modify *Escherichia coli* with plasmids containing DNA sourced from microorganisms and plants to over express enzymes of medicinal importance that will be purified for biochemical study

Decision Notified: 16 January 2006

Decision: Approved with Controls

Description of Organisms:

Host organism	Category of host organism	Modified by:	Category of modification/containment level
<i>Escherichia coli</i> (Migula 1895) Castellani & Chalmers 1919 non-pathogenic laboratory strains	1	Standard non-conjugative <i>Escherichia coli</i> cloning and expression plasmid vectors and lambda bacteriophage vectors containing sequences that encode the following enzymes: Dihydrodipicolinate synthase (DHDPS), Dihydrodipicolinate reductase (DHDPR), Amadoriases, N-acetyl neuraminase lyase, or pyruvate kinase derived from specified plants and microorganisms.	A/PC1

ERMA Approval Code: GMD004135

BCH Number: 11444

Applicant: ViaLactia Biosciences (New Zealand) Limited

Application Code: GMD05119

Purpose: Perennial ryegrass modified by ryegrass genes and regulatory elements involved in plant growth and development, stress physiology, primary and secondary metabolite biosynthesis, symbiotic relationship and flowering in order to determine function

Decision Notified: 24 January 2006

Decision: Approved with Controls

Description of Organisms:

Host organism	Category of	Modified by: host organisms	Category of modification/ containment level
<i>Escherichia coli</i> (Migula 1895) Castellani and Chalmers 1919 non-pathogenic laboratory strains	1	Standard <i>Escherichia coli</i> cloning plasmid vectors and non-tumourigenic binary plasmid vectors containing sequences derived from <i>Lolium perenne</i> , Clover (<i>Trifolium</i> spp.), Upland cotton (<i>Gossypium hirsutum</i>), Rice (<i>Oryza</i> spp.), <i>Arabidopsis thaliana</i> , <i>Dactylis</i> spp and <i>Deschampsia antarctica</i> , encoding either genes or promoters or other regulatory elements of interest involved in: 1. Plant growth and development;	A/PC1

<p><i>Agrobacterium tumefaciens</i> (Smith & Townsend 1907) Conn 1942 disarmed non-tumorigenic strains</p> <p><i>Lolium perenne</i> L. plant tissue culture</p>		<p>2. Stress physiology (abiotic and biotic); 3. Primary and secondary metabolite biosynthesis; 4. Symbiotic relationships; 5. and flowering.</p> <p>The vectors may also contain any of a number of other standard regulatory elements including: the double enhancer version of the CaMV35S promoter and the 35S poly A region, sourced from Cauliflower Mosaic Virus; antibiotic resistance markers such as hygromycin phosphotransferase II (<i>hptII</i>) and phosphinotricine acetyl transferase (<i>bar</i>) and other markers such as beta glucuronidase (<i>uidA</i>) and fluorescent proteins including the BD Living Colours™ DS-Red monomer fluorescent protein.</p>	
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ERMA Approval Code: GMD004145 - 47

BCH Number: 11533 - 35

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

Applicant: Massey University

Institute Code: GMO05/MU018

Application Code: GMD05122

Purpose: To characterise the contribution of factors involved in transcription and signalling molecules to developmental process within plant model organisms, particularly *Arabidopsis thaliana*. Extension to GMO04/MU005

Decision Notified: 22 December 2005

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

Agrobacterium tumefaciens (disarmed non-tumourigenic strains) modified with:

Non-tumourigenic binary vectors containing plant model DNA from *Arabidopsis thaliana* (thale cress), *Zea mays* (maize), *Oryza sativa* (rice), *Nicotiana tabacum* (tobacco), *Medicago truncatula* (barrel medic), *Marchantia polymorpha* (liverwort), *Ceratopteris richardii* (fern), *Marsilea quadrifolia* (European watercress), *Selaginella kraussiana* (spike moss) and *Physomitrella patens* (moss) and non-native species of brassicaceae, fabaceae and cucurbitaceae

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004115

BCH Number: 11369

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

Arabidopsis thaliana (standard cultivars) modified with:

Plant model DNA with some vector sequence from *Arabidopsis thaliana* (thale cress), *Zea mays* (maize), *Oryza sativa* (rice), *Nicotiana tabacum* (tobacco), *Medicago truncatula* (barrel medic), *Marchantia polymorpha* (liverwort), *Ceratopteris richardii* (fern), *Marsilea quadrifolia* (European watercress), *Selaginella kraussiana* (spike moss) and *Physomitrella patens* (moss) and non-native species of brassicaceae, fabaceae and cucurbitaceae

Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD004116

BCH Number: 11370

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

Escherichia coli (non pathogenic derivatives) modified with:

Non-conjugative plasmid vectors containing plant model DNA sequences involved in the transcription of genes and signalling pathways in development from *Arabidopsis thaliana* (thale cress), *Zea mays* (maize), *Oryza sativa* (rice), *Nicotiana tabacum* (tobacco), *Medicago truncatula* (barrel medic), *Marchantia polymorpha* (liverwort), *Ceratopteris richardii* (fern), *Marsilea quadrifolia* (European watercress), *Selaginella kraussiana* (spike moss) and *Physomitrella patens* (moss) and non-native species of brassicaceae, fabaceae and cucurbitaceae

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004117

BCH Number: 11368

Applicant: Massey University

Institute Code: GMO05/MU020

Application Code: GMD05123

Purpose: To develop *Escherichia coli* transformed with expression plasmids to produce the recombinant proteins, myostatin and its receptor (activin receptor), for biochemical and structural analysis

Decision Notified: 22 December 2005

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

Escherichia coli (K12 or B derivatives) modified with non-conjugative commercial plasmid vectors (containing an inducible promoter, purification/solubility tags and antibiotic marker) containing cDNAs involved in controlling muscle growth derived from *Mus musculus*, *Bos taurus*, *Ovis aries*, *Rattus norvegicus* or *Homo sapiens*

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004114

BCH Number: 11371

Applicant: Massey University

Institute Code: GMO05/MU021

Application Code: GMD06005

Purpose: To synthesise recombinant yeast 14-3-3 proteins in *Escherichia coli* and use to produce a 14-3-3 affinity column to purify plant enzymes that bind 14-3-3 proteins so role of proteins in plant cells can be determined

Decision Notified: 27 January 2006

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

Escherichia coli (non-pathogenic laboratory strains) modified by non-conjugative cloning and expression vectors for *Escherichia coli* containing *Saccharomyces cerevisiae* genes coding for specified 14-3-3 proteins

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004148

BCH Number: 11577

Applicant: Massey University

Institute Code: GMO05/MU023

Application Code: GMD06006

Purpose: Cloning and heterologous expression of functional Peptide: N-glycanases from different archaeal, bacterial and eukaryal sources using selected expression systems followed by purification and functional and structural characterisation

Decision Notified: 27 January 2006

The following approved organisms are modified with:

Modification: modified with non-conjugative bacterial, yeast and baculovirus protein expression vectors containing DNA encoding PNGases from the organisms listed below, or (where necessary) non-toxic proteins required for the activity of those PNGases: *Schizosaccharom* *Schizosaccharomyces pombe*, *Arabidopsis thaliana*, *Oryza sativa*, *Candida albicans*, *Debaryomyces hansenii*, *Pichia pastoris*,

Kluyveromyces lactis, *Yarrowia lipolytica*,
Magnaporthe grisea, *Clavispora*
lusitaniae, *Neurospora crassa*, *Aspergillus*
niger, *Aspergillus fumigatus*, *Aspergillus*
nidulans, *Sulfolobus solfataricus*,
Sulfolobus tokodaii, *Sulfolobus*
acidocaldarius, *Thermoplasma*
acidophilum, *Picrophilus torridus*,
Deinococcus radiodurans, *Streptomyces*
avermitilis

Description of Organism: *Pichia methanolica*
(non-pathogenic laboratory strains)
modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004152

BCH Number: 11582

Description of Organism: *Pichia pastoris* (non-
pathogenic laboratory strains) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004153

BCH Number: 11579

Description of Organism: *Saccharomyces*
cerevisiae Hansen 1883

Saccharomyces cerevisiae (non-
pathogenic laboratory strains) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004154

BCH Number: 11581

Description of Organism: *Spodoptera frugiperda*
Smith

Spodoptera frugiperda (cell lines)
modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004155

BCH Number: 11583

Description of Organism: *Drosophila melanogaster*
Meigen

Drosophila melanogaster (cell lines)
modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004149

BCH Number: 11584

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

Escherichia coli (non-pathogenic strains)
modified Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004150

BCH Number: 11578

Description of Organism: *Kluyveromyces lactis*
(non-pathogenic strains) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004151

BCH Number: 11580

Description of Organism: *Trichoplusia ni*
(Huebner)

Trichoplusia ni (cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004156

BCH Number: 11585

Applicant: University of Auckland

Institute Code: GMO05/UA020

Application Code: GMD05120

Purpose: Understanding the function of
streptococcal and staphylococcal
virulence factors

Decision Notified: 19 December 2005

The following approved organisms are modified with:

Modification: Modification A:

Standard *Escherichia coli*, *Saccharomyces cerevisiae* and *Pichia pastoris* cloning and expression vectors. Most of which are non-conjugative but definitely not self transmissible.

Standard mammalian, and insect cell expression vectors with

Genes sourced from man (*Homo sapiens*), mouse (*Mus musculus*, *Mus spretus*), and rat (*Rattus norvegicus*, *Rattus rattus*) (both sense and anti-sense constructs including nucleotide deletions and substitutions as well as RNA interference sequences) encoding: Molecules involved in immune systems and their stimulation, development and control.

To include genes encoding:

- Proteins involved in immune systems and its control
- Membrane proteins and receptors
- Chaperone proteins and proteins involved in post-translational processing and protein folding
- Signalling molecules associated with immune system - including cytokines
- Signal transduction molecules and receptors
- Anti-Apoptotic proteins
- Transcriptional factor proteins
- Proteins involved in translation
- Regulatory sequences
- Transcriptional and promoter elements associated with all of the above sets of gene families (with particular reference to proteins involved in glucose, protein and lipid metabolism)
- cDNA and genomic library inserts involved in immune system, not fitting into the above categories

To also include genetic elements encoding protein variants with deletions, multiple amino acid repeats or those proteins variants that may misfold

To also include cDNA sequences encoding protein tags or fusion constructs (including fluorescent and reporter marker proteins) to determine transgene localisation or aid protein purification (including His tags, GFP, FLAG and GST fusion proteins and c-myc tags) and

Sequences encoding enzymes for assay (e.g. thymidine kinase, U6 RNA polymerase)

To exclude:

- Genes will not encode toxins with an LD50 < 100 mg/kg
- Sequences will not produce particles able to infect human, animals or plants

Modification B: or modified with:

Standard *Escherichia coli*, *Saccharomyces cerevisiae* and *Pichia pastoris* cloning and expression vectors. Most of which are non-conjugative and definitely not self transmissible.

Standard mammalian, and insect cell expression vectors

With

Genes from *Staphylococcus* and *Streptococcus* excluding genes that are known to code for superantigens

To include genes encoding:

- Proteins involved in immune systems and its control
- Membrane proteins and receptors
- Chaperone proteins and proteins involved in post-translational processing and protein folding
- Signal transduction molecules and receptors
- Anti-Apoptotic proteins
- Transcriptional factor proteins
- Proteins involved in translation
- Regulatory sequences
- Transcriptional and promoter elements associated with all of the above sets of gene families (with particular reference to proteins involved in glucose, protein and lipid metabolism)
- cDNA and genomic library inserts involved in immune system, not fitting into the above categories

To also include genetic elements encoding protein variants with deletions, multiple amino acid repeats or those proteins variants that may misfold

To also include cDNA sequences encoding protein tags or fusion constructs (including fluorescent and reporter marker proteins) to determine transgene localisation or aid protein purification (including His tags, GFP, FLAG and GST fusion proteins and c-myc tags) And

Sequences encoding enzymes for assay (e.g. thymidine kinase, U6 RNA polymerase)

To exclude:

- Genes will not encode toxins with an LD50 < 100 mg/kg
- Sequences will not produce particles able to infect human, animals or plants

Description of Organism: *Rattus norvegicus* (Berkenhout, 1769)

Rattus norvegicus (cell lines) modified

Modification A: Containment: PC1

Category: A

Modification B: Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD004095

BCH Number: 11331

Description of Organism: *Rattus rattus* Linnaeus

Rattus rattus (cell lines) modified

Modification A: Containment: PC1

Category: A

Modification B: Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD004096

BCH Number: 11332

Description of Organism: *Saccharomyces cerevisiae* Hansen 1883

Saccharomyces cerevisiae (non pathogenic laboratory adapted strains) modified

Modification A: Containment: PC1

Category: A

Modification B: Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD004097

BCH Number: 11326

Description of Organism: *Spodoptera frugiperda* Smith

Spodoptera frugiperda (cell lines) modified

Modification A: Containment: PC1

Category: A

Modification B: Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD004098

BCH Number: 11340

Description of Organism: *Trichoplusia ni* (Huebner)

Trichoplusia ni (cell lines) modified

Modification A: Containment: PC1

Category: A

Modification B: Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD004099

BCH Number: 11339

Description of Organism: *Canis familiaris* (Linnaeus, 1758)

Canis familiaris (cell lines) modified

Modification A: Containment: PC1

Category: A

Modification B: Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD004084

BCH Number: 11335

Description of Organism: *Cercopithecus aethiops* Linnaeus

Cercopithecus aethiops (cell lines) modified

Modification A: Containment: PC1

Category: A

Modification B: Containment: PC2

Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD004085

BCH Number: 11337

Description of Organism: *Cricetulus griseus* Milne Edwards 1857

Cricetulus griseus (cell lines) modified

Modification A: Containment: PC1

Category: A

Modification B: Containment: PC2

Category: B

Decision: Approved with Controls
ERMA Approval Code: GMD004086
BCH Number: 11334

Description of Organism: *Cricetus cricetus*
Linnaeus
Cricetus cricetus (cell lines) modified
Modification A: Containment: PC1
Category: A
Modification B: Containment: PC2
Category: B

Decision: Approved with Controls
ERMA Approval Code: GMD004087
BCH Number: 11333

Description of Organism: *Drosophila melanogaster* Meigen
Drosophila melanogaster (cell lines) modified
Modification A: Containment: PC1
Category: A
Modification B: Containment: PC2
Category: B

Decision: Approved with Controls
ERMA Approval Code: GMD004088
BCH Number: 11338

Description of Organism: *Escherichia coli* (Migula 1895) Castellani & Chalmers 1919
Escherichia coli (non pathogenic laboratory adapted strains) modified
Modification A: Containment: PC1
Category: A
Modification B: Containment: PC2
Category: B

Decision: Approved with Controls
ERMA Approval Code: GMD004089
BCH Number: 11325

Description of Organism: *Homo sapiens* (Linnaeus, 1758)
Homo sapiens (cell lines) modified
Modification A: Containment: PC1
Category: A
Modification B: Containment: PC2

Category: B

Decision: Approved with Controls
ERMA Approval Code: GMD004090
BCH Number: 11328

Description of Organism: *Mesocricetus auratus*
Waterhouse
Mesocricetus auratus (cell lines) modified
Modification A: Containment: PC1
Category: A
Modification B: Containment: PC2
Category: B

Decision: Approved with Controls
ERMA Approval Code: GMD004091
BCH Number: 11336

Description of Organism: *Mus musculus* Linnaeus, 1758
Mus musculus (cell lines) modified
Modification A: Containment: PC1
Category: A
Modification B: Containment: PC2
Category: B

Decision: Approved with Controls
ERMA Approval Code: GMD004092
BCH Number: 11329

Description of Organism: *Mus spretus* Latase
Mus spretus (cell lines) modified
Modification A: Containment: PC1
Category: A
Modification B: Containment: PC2
Category: B

Decision: Approved with Controls
ERMA Approval Code: GMD004093
BCH Number: 11330

Description of Organism: *Pichia pastoris* Guillelm Phaff (1956)
Pichia pastoris (non pathogenic laboratory adapted strains) modified
Modification A: Containment: PC1
Category: A
Modification B: Containment: PC2
Category: B

Decision: Approved with Controls

ERMA Approval Code: GMD004094

BCH Number: 11327

Applicant: University of Auckland

Institute Code: GMO05/UA028

Application Code: GMD05121

Purpose: Cancer Research – Genetic modification of tumour cell lines

Decision Notified: 21 December 2005

The following approved organisms are modified with:

Modification:

- Standard *Escherichia coli*, yeast and *Pichia* cloning and expression vectors. Most of which are non-conjugative and definitely not self transmissible
- Standard mammalian and insect cell expression vectors (excluding viral vectors) with:

Genes sourced from man (*Homo sapiens*), mouse (*Mus musculus*, *Mus spretus*) and rat (*Rattus norvegicus*, *Rattus rattus*) (both sense and anti-sense constructs including nucleotide deletions and substitutions as well as RNA interference sequences) encoding molecules involved in as well as control of cell division and apoptosis with particular attention to oncogenesis, cancer biology and development of novel treatments of cancer

To include genes encoding:

- Chaperone proteins and proteins involved in post-translational processing and protein folding
- Signalling molecules associated with cell surface molecules (with particular reference to receptors and signalling molecules on endothelial, immune and tumour cells) to include cytokines and chemokines and hormones
- Signal transduction molecules and receptors (with particular reference to receptors and signalling molecules on endothelial, immune and tumour cells)
- Proteins involved in the regulation of apoptosis
- Transcriptional factor proteins
- Proteins involved in translation
- Nuclear proteins

- DNA damage signalling molecules
- DNA repair proteins
- Proteins involved in the cell cycle and cell division
- Proteins involved in DNA replication
- Molecules of the extracellular matrix and metalloproteinases
- Cytoskeletal proteins
- Oncogenes
- Tumour suppressor genes
- Hypoxia associated proteins
- Proteins involved in cellular metabolism
- Proteins involved in angiogenesis and the vasculature
- Regulatory sequences
- Transcriptional and promoter elements associated with all of the above sets of gene families (with particular reference to proteins involved in glucose, protein and lipid metabolism)
- cDNA and genomic library inserts involved in regulating immune and tumour responses, not fitting into the above categories

To also include genetic elements encoding protein variants with deletions, multiple amino acid repeats or those proteins variants that may misfold

To also include cDNA sequences encoding protein tags or fusion constructs (including fluorescent and reporter marker proteins from a variety of different species such as *Aequorea victoria* and *Discoma* spp) to determine transgene localisation or aid protein purification (including His tags, GFP, GFPu, CFP, YFP, DsRed, S-tag, FLAG and GST fusion proteins and c-myc tags) and,

Sequences encoding enzymes for assay (e.g. thymidine kinase, U6 RNA polymerase, Luciferase, Chloramphenicol acetyl transferase, lysozyme)

Due to the nature of the study the following exceptions will apply:

- Genes will not encode toxins with an LD50 < 100µg/kg
- Sequences will not produce particles able to infect human, animals or plants
- Genes will not be derived from CITES derived species.

Note that Human genes will not be derived from persons of Maori descent.

Description of Organism: *Canis familiaris*
(Linnaeus, 1758)

Canis familiaris (cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004100

BCH Number: 11364

Description of Organism: *Cercopithecus aethiops*
Linnaeus

Cercopithecus aethiops (cell lines)
modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004101

BCH Number: 11366

Description of Organism: *Cricetulus griseus* Milne
Edwards 1857

Cricetulus griseus (cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004102

BCH Number: 11363

Description of Organism: *Cricetus cricetus*
Linnaeus

Cricetus cricetus (cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004103

BCH Number: 11362

Description of Organism: *Drosophila melanogaster* Meigen

Drosophila melanogaster (cell lines)
modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004104

BCH Number: 11367

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

Escherichia coli (non pathogenic
laboratory adapted strains) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004105

BCH Number: 11354

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

Homo sapiens (cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004106

BCH Number: 11357

Description of Organism: *Mesocricetus auratus*
Waterhouse

Mesocricetus auratus (cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004107

BCH Number: 11365

Description of Organism: *Mus musculus* Linnaeus,
1758

Mus musculus (cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004108

BCH Number: 11358

Description of Organism: *Mus spretus* Latase

Mus spretus (cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004109

BCH Number: 11359

Description of Organism: *Pichia pastoris* Guillelm Phaff (1956)

Pichia pastoris (non pathogenic laboratory strains) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004110

BCH Number: 11356

Description of Organism: *Rattus norvegicus* (Berkenhout, 1769)

Rattus norvegicus (cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004111

BCH Number: 11360

Description of Organism: *Rattus rattus* Linnaeus

Rattus rattus (cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004112

BCH Number: 11361

Description of Organism: *Saccharomyces cerevisiae* Meyen ex EC Hansen (1883)

Saccharomyces cerevisiae (non pathogenic laboratory adapted strains) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004113

BCH Number: 11355

Applicant: University of Auckland

Institute Code: GMO05/UA025

Application Code: GMD06001

Purpose: Identification of the potential cause and modifiers of Diabetes

Decision Notified: 09 January 2006

The following approved organisms are modified with:

Modification:

- Standard *Escherichia coli* cloning and expression vectors. Most of which are non-conjugative but definitely not self transmissible.
- Standard *Saccharomyces* cloning vectors (including yeast 2-hybrid vectors) which are not self transmissible
- Standard *Pichia* vectors (including *Escherichia coli* /*Pichia* shuttle vectors) which are not self transmissible
- Standard mammalian and insect cell expression vectors (e.g. baculovirus)

with:

Genes sourced from man (*Homo sapiens*), mouse (*Mus musculus*, *Mus spretus*) and rat (*Rattus norvegicus*, *Rattus rattus*), fish (*Danio rerio*, *Tetraodon nigroviridus*), *Drosophila* (*Drosophila melanogaster*) (both sense and anti-sense constructs including nucleic acid libraries, nucleotide deletions and substitutions as well as RNA interference sequences) encoding:

- Molecules involved with development and modification of metabolic disease with particular reference to Diabetes

To include genes encoding:

- Chaperone proteins and proteins involved in post-translational processing and protein folding
- Cell adhesion receptors, cell matrix molecules and cell membrane proteins
- Signalling molecules associated with cell surface molecules (with particular reference to proteins involved in Diabetes)
- Signal transduction molecules
- G-protein coupled receptors and associated accessory proteins (e.g. receptor activity-modifying proteins)
- Anti-apoptotic proteins
- Transcriptional factor proteins
- Regulatory sequences
- Transcriptional and promoter elements associated with all of the above sets of

gene families (with particular reference to proteins involved in diabetes)

- cDNA and genomic library inserts
- Cell secreted hormones with particular reference to hormones involved in Diabetes (including genetic elements encoding protein variants with multiple amino acid repeats or those proteins variants that may misfold)

To also include cDNA sequences encoding protein tags or fusion constructs (including fluorescent and reporter marker proteins) to determine transgene localisation or aid protein purification (including His tags, FLAG and GST fusion proteins and c-myc tags)

And

Sequences encoding enzymes for assay (e.g. thymidine kinase, U6 RNA polymerase)

With the following exceptions:

- Genes will not encode toxins with an LD50 < 100ug/kg
- Genes not encode for infectious particles
- Genes will not be derived from CITES derived species
- Human genes will not be derived from persons of Maori descent

Description of Organism: *Cercopithecus aethiops* Linnaeus

Cercopithecus aethiops (cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004120

BCH Number: 11427

Description of Organism: *Cricetulus griseus* Milne Edwards 1857

Cricetulus griseus (cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004121

BCH Number: 11424

Description of Organism: *Cricetus cricetus* Linnaeus

Cricetus cricetus (cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004122

BCH Number: 11423

Description of Organism: *Drosophila melanogaster* Meigen

Drosophila melanogaster (cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004123

BCH Number: 11428

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

Escherichia coli (non pathogenic laboratory adapted strains) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004124

BCH Number: 11415

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

Homo sapiens (cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004125

BCH Number: 11418

Description of Organism: *Mesocricetus auratus* Waterhouse

Mesocricetus auratus (cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004126

BCH Number: 11426

Description of Organism: *Mus musculus* Linnaeus, 1758

Mus musculus (established and primary cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004127

BCH Number: 11419

Description of Organism: *Mus spretus* Latase

Mus spretus (cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004128

BCH Number: 11420

Description of Organism: *Pichia pastoris* (non pathogenic laboratory adapted strains) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004129

BCH Number: 11417

Description of Organism: *Rattus norvegicus* (Berkenhout, 1769)

Rattus norvegicus (established and primary cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004130

BCH Number: 11421

Description of Organism: *Rattus rattus* Linnaeus

Rattus rattus (cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004131

BCH Number: 11422

Description of Organism: *Saccharomyces cerevisiae* Meyen ex EC Hansen (1883)

Saccharomyces cerevisiae (non pathogenic laboratory adapted strains) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004132

BCH Number: 11416

Description of Organism: *Spodoptera frugiperda* Smith

Spodoptera frugiperda (cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004133

BCH Number: 11430

Description of Organism: *Trichoplusia ni* (Huebner)

Trichoplusia ni (cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004134

BCH Number: 11429

Description of Organism: *Canis familiaris* (Linnaeus, 1758)

Canis familiaris (cell lines) modified

Containment: PC1

Category: A

Decision: Approved with Controls

ERMA Approval Code: GMD004119

BCH Number: 11425

AMENDMENTS TO APPROVALS

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

Applicant: University of Auckland
Institute Code: GMO03/UA032 s67A
Application Code: GMD04032

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 - investigation into the mechanism of bacterial virulence

Decision Amendment Date: 04 November 2005

Amendment: Minor amendment to more accurately describe the host organisms and modifications

Applicant: University of Auckland
Institute Code: GMO05/UA017 s67A
Application Code: GMD05072

Purpose: Genetic analysis of gap function constituents

Decision Amendment Date: 06 October 2005

Amendment: To make a minor amendment to more accurately describe the host organisms and modifications and remove any doubt that certain combinations of inserts with replication deficient AAV and retroviral vectors are not approved. The Categories development and the Physical Containment conditions have not been altered but an additional control has been added to explicitly prohibit use of retroviral and AAV vectors with oncogenes to transform cell lines

Applicant: University of Auckland
Institute Code: GMO05/UA012 s67A
Application Code: GMD05073

Purpose: Studies of development and disease using the zebrafish model: Part 1

Decision Amendment Date: 06 October 2005

Amendment: Amendment to more accurately describe the host organisms and modifications to remove any doubt that certain combinations of inserts with

replication deficient AAV and retroviral vectors are not approved. The Categories development and the Physical Containment conditions have not been altered but an additional control has been added to explicitly prohibit use of retroviral and AAV vectors with oncogenes to transform cell lines

There have been no amendments made under section 67A of the HSNO Act for minor or technical errors during this period by the Authority or by the Chief Executive acting under delegated power from the Authority.

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@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: Grace (NEW ZEALAND) Limited
Application Code: HSR05150

Purpose: To import Darex SLC4163-63.75, a more workplace and environmentally friendly substitute, for use as a can sealing agent

Date Publicly Notified: 15 December 2005

Date Submissions Close: 23 February 2006

Applicant: Lonza Inc

Application Code: HSR05139

Purpose: CARBOQUAT 250T: to import for use as a manufacturing concentrate

Date Publicly Notified: 16 December 2005

Date Submissions Close: 24 February 2006

Applicant: JAKA Limited

Application Code: HSR05131

Purpose: Air-ilizer: to import and release this disinfectant/deodorant for control of fungi, moulds and bacteria in the air conditioning units of passenger vehicles

Date Publicly Notified: 19 December 2005

Date Submissions Close: 27 February 2006

Applicant: Bomac Laboratories Limited

Application Code: HSR05152

Purpose: EOPB4270NC and EOMB4210NC: To manufacture veterinary medicines intended for oral use in horses for the purpose of controlling internal parasites

Date Publicly Notified: 19 December 2005

Date Submissions Close: 27 February 2006

Applicant: Syngenta Crop Protection Limited

Application Code: HSR05157

Purpose: Callisto: To import and release a herbicide for the selective control of a wide range of broadleaf weeds in grain and silage maize

Date Publicly Notified: 19 December 2005

Date Submissions Close: 27 February 2006

Applicant: Aristopet Pty Limited

Application Code: HSR05149

Purpose: Aristopet Flea and Tick Spray: to import and release for the control of fleas (*Ctenocephalides spp*) and dog ticks (*Rhipicephalus sanguineus*) in cats and dogs

Date Publicly Notified: 19 December 2005

Date Submissions Close: 27 February 2006

Applicant: Agricultural Imports Direct New Zealand Limited

Application Code: HSR05141

Purpose: Echo 900WG: to import for commercial release a highly concentrated granule formulation of chlorthalonil for disease control in a wide range of horticultural crops and turf

Date Publicly Notified: 26 January 2006

Date Submissions Close: 10 March 2006

NON-NOTIFIED APPLICATIONS RECEIVED

Applicant: Nufarm New Zealand Limited

Application Code: HSC05037

Purpose: To import NLU0019 into containment to compare efficacy of NLU0019 against herbicides currently available for the control of common broadleaf pasture weeds under normal existing use patterns, i.e. ground based and aerial spraying

Date Formally Received: 16 January 2006

Applicant: Taranaki Nuchem Limited

Application Code: HSC06001

Purpose: To manufacture the substance Tnl 1146 to conduct field trials to evaluate whether the substance is suitable for use in New Zealand agriculture and horticulture

Date Formally Received: 16 January 2006

Applicant: PCT International Pty Limited

Application Code: HSR05155

Purpose: InTice Granular Bait: To import a bait for a range of insects in and around domestic, commercial and industrial premises

Date Formally Received: 16 January 2006

Applicant: Bayer New Zealand Limited

Application Code: HSR06005

Purpose: To import Twist SC - Fungicide for the control of diseases in barley, wheat and ryegrass

Date Formally Received: 16 January 2006

APPLICATIONS WITHDRAWN

Applicant: Taranaki Nuchem

Application Code: HSR05117

Purpose: NuChem Dodine 400: A protectant fungicide, in the form of a formulated suspension concentrate, for use on apples, pears, peaches, nectarines and roses

Date Formally Received: 19 September 2005

Date Withdrawn: 13 December 2005

DECISIONS ON APPLICATIONS

Applicant: DefLog International Pty Limited

Application Code: TNS05007

Purpose: To tranship two containers of smokeless powder (1.1C, UN 0160) through the Port of Tauranga

Decision Notified: 01 December 2005

Decision: Approved with Controls

ERMA Approval Code: TNS000080

Applicant: Dow AgroSciences

Application Code: HSR05067

Purpose: To manufacture GF-1744, a pesticide, for the sole purpose of export to another country

Decision Notified: 07 December 2005

Decision: Approved with Controls

Identifier for Substance: GF-1744

Classification: 3.1D Flammable Liquid, 6.1D Acute oral toxicity, 6.3B Skin irritancy, 6.4A Eye irritancy, 6.5B Skin sensitisation, 6.9A Target organ systemic toxicant, 9.1A Aquatic ecotoxicity, 9.2A Soil ecotoxicity, 9.3C Terrestrial Vertebrate Ecotoxicity

ERMA Approval Code: HSR001756

Applicant: HaS Expertise Limited

Application Code: HSR05073

Purpose: To manufacture the insecticide J72.03 for export

Decision Notified: 08 December 2005

Decision: Approved with Controls

Identifier for Substance: J72.03

Classification: 6.1C Acute Toxicity (dermal), 6.1A Acute Toxicity (inhalation), 6.5B Skin sensitisation, 6.7B Carcinogenicity, 6.9A Target Organ Systemic Toxicity (oral), 9.1A Aquatic Ecotoxicity (fish), 9.1A Aquatic Ecotoxicity (crustacea), 9.1D Aquatic Ecotoxicity (algae), 9.3A Terrestrial Vertebrate Ecotoxicity, 9.4B Terrestrial Invertebrate Ecotoxicity

ERMA Approval Code: HSR001757

Applicant: Bayer New Zealand Limited

Application Code: HSR05078

Purpose: To import Reason, a fungicide intended for the control of fungal diseases in potato and onion crops

Decision Notified: 08 December 2005

Decision: Approved with Controls

Identifier for Substance: REASON

Classification: 6.9B Target Organ Systemic Toxicant, 9.1A Aquatic Ecotoxicity, 9.2D Soil Ecotoxicity

ERMA Approval Code: HSR001758

Applicant: Bayer New Zealand Limited

Application Code: HSR04048

Purpose: To import Bay 60-7500, a veterinary medicine for cats

Decision Notified: 13 December 2005

Decision: Approved with Controls

Identifier for Substance: BAY 60-7500

Classification: 3.1D Flammable Liquid, 6.1E Acute Oral Toxicant, 6.4A Eye Irritant, 6.8B Reproductive/Developmental Toxicant, 6.9B Target Organ Systemic Toxicant, 9.1A Aquatic Ecotoxicity

ERMA Approval Code: HSR001760

Applicant: Taranaki Nuchem Limited

Application Code: HSR05052

Purpose: To approve the manufacture and release Taratek 1995, a water-soluble permanent wood preservative

Decision Notified: 19 December 2005

Decision: Approved with Controls

Identifier for Substance: Taratek™ 1995

Classification: 3.1D Flammable liquid, 6.1E Acute oral toxicant, 6.3B Skin irritant, 6.4A eye irritant, 6.5A Respiratory sensitiser, 6.5B Skin sensitiser, 6.9B Target organ systemic toxicant, 9.1A Aquatic ecotoxicant, 9.4B Terrestrial invertebrate ecotoxicant

ERMA Approval Code: HSR001762

Applicant: Gabrielle Deuss and Associates

Application Code: HSR04040

Purpose: To import or manufacture AMMO all Wormer Paste for Horses, for use in horses for the treatment of worm burdens, including bots

Decision Notified: 20 December 2005

Decision: Approved with Controls

Identifier for Substance: AMMO all Wormer Paste for Horses

Classification: 6.1D Acute toxicant, 6.8B Reproductive developmental toxicant, 6.8C Reproductive developmental toxicant via lactation, 6.9B Target organ systemic toxicant, 9.1A Aquatic ecotoxicant, 9.2C Terrestrial soil ecotoxicant, 9.3C Terrestrial vertebrate ecotoxicant, 9.4A Terrestrial invertebrate ecotoxicant

ERMA Approval Code: HSR001763

Applicant: Syngenta Crop Protection Limited

Application Code: HSR05102

Purpose: To import and release TWINAX, a herbicide for selective control of Annual ryegrass, Lesser Canary Grass and Gnawed Canary Grass and Wild Oats in Barley and Wheat

Decision Notified: 21 December 2005

Decision: Approved with Controls

Identifier for Substance: HSR001763

Classification: 3.1D Flammable Liquid, 6.1E Acute toxicant with aspiration hazard, 6.3B Skin irritant, 6.4A Eye corrosive, 6.9B Target organ systemic toxicant, 9.1B Aquatic ecotoxicant, 9.4A Terrestrial invertebrate ecotoxicant

ERMA Approval Code: HSR002417

Applicant: DefLog International Pty Limited

Application Code: TNS05008

Purpose: To tranship through the Port of Tauranga, smokeless powder (UN 0160, 1.1C) en route from Australia, destined for the USA

Decision Notified: 22 December 2005

Decision: Approved with Controls

ERMA Approval Code: TNS000081

Applicant: DefLog International Pty Limited

Application Code: TNS05009

Purpose: To routinely tranship Class 1.1C explosives through the port of Auckland, en route from the USA, destined for Australia

Decision Notified: 22 December 2005

Decision: Approved with Controls
ERMA Approval Code: TNS000082

Applicant: Bomac Laboratories Limited
Application Code: HSR05107

Purpose: SS001NC, ET002NC, FM003NC: To import three active ingredients for use in the manufacture of veterinary medicines

Decision Notified: 25 January 2006

Decision: Approved with Controls

Identifier for Substance: SS001NC, ET002NC, FM003NC

Classification:

SS001NC
Acute toxicity 6.1E
Skin irritant 6.3A
Eye irritant 6.4A
Skin sensitisation 6.5B
Aquatic Ecotoxicity 9.1A
ET002NC
Acute toxicity 6.1E
Skin irritant 6.3B
Eye irritant 6.4A
Aquatic Ecotoxicity 9.1A
FM003NC
Acute toxicity 6.1B
Target Organ Systemic Toxicity 6.9A
Terrestrial Vertebrate Ecotoxicity 9.3B

ERMA Approval Code: HSR002428 - 30

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: Hometeam New Zealand Limited

Application Code: HSR05147

Purpose: Alpha cypermethin EC 10%: to manufacture for use as a non-agricultural insecticide

Decision Notified: 01 December 2005

Decision: Approved with Controls

Identifier for Substance: Alpha cypermethrin EC 10%

Classification: 6.1D Acute Toxicity, 6.3B Skin Irritancy, 6.9B Target Organ Systemic Toxicity, 9.1A Aquatic Ecotoxicity, 9.3C Terrestrial Vertebrate Ecotoxicity, 9.4A Terrestrial Invertebrate Ecotoxicity

ERMA Approval Code: HSR001754

Applicant: Hometeam New Zealand Limited

Application Code: HSR05148

Purpose: Cypermethrin EC 10%: to manufacture this insecticide for non-agricultural use

Decision Notified: 01 December 2005

Decision: Approved with Controls

Identifier for Substance: Cypermethrin EC 10%

Classification: 6.1D Acute Toxicity, 6.3B Skin Irritancy, 6.4A Eye Irritancy, 6.5B Skin Sensitisation, 6.8B Reproductive Developmental Toxicity, 6.9A Target Organ Systemic Toxicity, 9.1A Aquatic Ecotoxicity, 9.3C Terrestrial Vertebrate Ecotoxicity, 9.4A Terrestrial Invertebrate Ecotoxicity

ERMA Approval Code: HSR001755

Applicant: Industrial Research Limited

Application Code: HSC05035

Purpose: To manufacture IRL Glycotherapeutic 0007 for sale to be exported for research

Decision Notified: 02 December 2005

Decision: Approved with Controls

Identifier for Substance: IRL Glycotherapeutic 0007

ERMA Approval Code: HSC000224

Applicant: Syngenta Crop Protection Limited

Application Code: HSC05031

Purpose: To import into containment the substance NZH2B to conduct field trials to evaluate whether the substance is suitable for use in New Zealand agriculture and horticulture

Decision Notified: 07 December 2005

Decision: Approved with Controls

Identifier for Substance: NZH2B

ERMA Approval Code: HSC000225

Applicant: Orion Crop Protection Limited

Application Code: HSR05143

Purpose: Orion Alpha C 100EC: to import, manufacture and release this insecticidal substance for agricultural use

Decision Notified: 08 December 2005

Decision: Approved with Controls

Identifier for Substance: Orion Alpha C 100EC

Classification: 3.1D Flammable Liquid, 6.1D Acute Toxicity, 6.3B Skin Irritancy, 6.4A Eye Irritancy, 6.9B Target Organ Systemic Toxicity, 9.1A Aquatic Ecotoxicity, 9.3B Terrestrial Vertebrate Ecotoxicity, 9.4A Terrestrial Invertebrate Ecotoxicity

ERMA Approval Code: HSR001759

Applicant: Dow AgroSciences

Application Code: HSC05036

Purpose: To import a limited quantity of EF-1440 under containment to use on a trial basis to manufacture a pilot batch of GF-1571 to export to Australia for use in product evaluation trials as a herbicide

Decision Notified: 15 December 2005

Decision: Approved with Controls

Identifier for Substance: EF-1440, GF-1571

ERMA Approval Code: HSC000226 - 27

Applicant: Orion Crop Protection Limited

Application Code: HSR05154

Purpose: Terminator GTA: To import and manufacture a herbicidal product containing terbuthylazine, glyphosate and amitrole

Decision Notified: 19 December 2005

Decision: Approved with Controls

Identifier for Substance: Terminator GTA

Classification: 6.4A eye irritancy, 6.5B skin sensitisation, 6.8B reproductive/developmental, toxicant, 6.9B target organ systemic toxicant, 9.1A highly toxic to aquatic environment, 9.2A highly toxic to soil organisms

ERMA Approval Code: HSR001761

Applicant: PCT International Pty Limited

Application Code: HSR05155

Purpose: InTice Granular Bait: to import a bait for a range of insects in and around domestic, commercial and industrial premises

Decision Notified: 31 January 2006

Decision: Approved with Controls

Identifier for Substance: InTice Granular Bait

Classification: 6.8B Reproductive/developmental toxicant, 9.1D Ecotoxicity to aquatic organisms

ERMA Approval Code: HSR002432

AMENDMENTS TO APPROVALS

Applicant: Juken New Zealand Limited

Application Code: HSR03012

Purpose: To import the hazardous substance Nissan Clean CI as a wood preservative to be used in a state-of-the-art closed, automated vacuum/pressure treatment plant.

Decision Amendment Date: 01 December 2005

Amendment: Decision amended under section 67A to clarify the disposal controls; delete irrelevant controls and update other controls as prescribed by changes in the regulations since the original approval was made

Applicant: Jurox New Zealand Limited**Application Code: HSR03016**

Purpose: To import JQD Drench for use as an anthelmintic in ruminants.

Decision Amendment Date: 16 December 2005

Amendment: Decision amended under section 67A as the classifications of the active ingredients abamectin, albendazole and levamasole HCl were revised on the transfer of veterinary medicines to the HSNO Act on 1 July 2005. The change in classification does not have a significant effect on the controls applied to JQD Drench

Contact us

If you need to receive a hard copy of the application or approval documents, or want help searching, please contact us on 0800 376 234 or email info@ermanız.govt.nz.

SEARCHING ERMA NEW ZEALAND'S ONLINE REGISTERS

Introduction

Our online registers <http://www.ermanız.govt.nz/> are the most convenient way to find information on hazardous substance and new organism applications. These registers contain applications under Part V, or hazardous substances that have been transferred. (It does not currently list transferred explosives, other substances matching existing approvals, or organisms in New Zealand prior to July 1998.)

Searching the registers

Enter in the **Search** box at the bottom of the home page, either the code for the approval or application, or the **name** of the substance or organism, for all documents relating to an application or approval. The Search Results page will show:

- The substance/organism name – this links to the details about that substance/organism
- Trade or other names – contains trade names, synonyms
- The applicant's name
- The purpose of the application
- The application status.

Click on the substance/organism name for more detail about that substance/organism including information in Word or PDF format of the:

- Decision/Control
- Evaluation and Review report
- Full application
- Application Summary

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: Jim Mackness

Region: Waikato

Decision: Approved with Limitations

Date of Approval: 13 December 2005

ERMA Approval Code: TST000236

Applicant: Stephen Lockett

Region: Canterbury

Decision: Approved with Limitations

Date of Approval: 13 December 2005

ERMA Approval Code: TST000237

Applicant: Campbell Hope

Region: Auckland

Decision: Approved with Limitations

Date of Approval: 16 December 2005

ERMA Approval Code: TST000238

Applicant: Kay Dowie

Region: Otago

Decision: Approved with Limitations

Date of Approval: 19 December 2005

ERMA Approval Code: TST000222

Applicant: Kevin Bailey

Region: Nelson

Decision: Approved with Limitations

Date of Approval: 19 December 2005

ERMA Approval Code: TST000241

Applicant: Shim Jae-Won

Region: Auckland

Decision: Approved with Limitations

Date of Approval: 19 December 2005

ERMA Approval Code: TST000239

Applicant: Bryan Bailey

Region: Nelson

Decision: Approved with Limitations

Date of Approval: 19 December 2005

ERMA Approval Code: TST000240

Applicant: Richard Crocker

Region: Canterbury

Decision: Approved with Limitations

Date of Approval: 19 December 2005

ERMA Approval Code: TST000229

Applicant: Wayne Underhay

Region: Canterbury

Decision: Approved with Limitations

Date of Approval: 19 December 2005

ERMA Approval Code: TST000230

Applicant: Trevor Williams

Region: Wellington

Decision: Approved with Limitations

Date of Approval: 19 December 2005

ERMA Approval Code: TST000231

Applicant: Stephen Heritage

Region: Canterbury

Decision: Approved with Limitations

Date of Approval: 19 December 2005

ERMA Approval Code: TST000223

Applicant: Tom Pierce
Region: Canterbury
Decision: Approved with Limitations
Date of Approval: 19 December 2005
ERMA Approval Code: TST000228

Applicant: Shane Thompson
Region: Wellington
Decision: Approved with Limitations
Date of Approval: 19 December 2005
ERMA Approval Code: TST000218

Applicant: Michael Tofts
Region: Wellington
Decision: Approved with Limitations
Date of Approval: 19 December 2005
ERMA Approval Code: TST000232

Applicant: Brian Burgess
Region: Bay of Plenty
Decision: Approved with Limitations
Date of Approval: 19 December 2005
ERMA Approval Code: TST000220

Applicant: Allan Sheehan
Region: Bay of Plenty
Decision: Approved with Limitations
Date of Approval: 19 December 2005
ERMA Approval Code: TST000219

Applicant: Jeffrey Vincent
Region: Wellington
Decision: Approved with Limitations
Date of Approval: 19 December 2005
ERMA Approval Code: TST000217

Applicant: Thomas Mayo
Region: Canterbury
Decision: Approved with Limitations
Date of Approval: 19 December 2005
ERMA Approval Code: TST000227

Applicant: Martin Creagh
Region: Canterbury
Decision: Approved with Limitations
Date of Approval: 19 December 2005
ERMA Approval Code: TST000224

Applicant: Murray Selwyn
Region: Canterbury
Decision: Approved with Limitations
Date of Approval: 19 December 2005
ERMA Approval Code: TST000225

Applicant: Gary Baxter
Region: Canterbury
Decision: Approved with Limitations
Date of Approval: 19 December 2005
ERMA Approval Code: TST000226

Applicant: Ron Richdale
Region: Manawatu-Wanganui
Decision: Approved with Limitations
Date of Approval: 19 December 2005
ERMA Approval Code: TST000221

Applicant: Owen Clutterbuck
Region: Canterbury
Decision: Approved with Limitations
Date of Approval: 19 December 2005
ERMA Approval Code: TST000235

Applicant: Derek Collier
Region: Bay of Plenty
Decision: Approved with Limitations
Date of Approval: 19 December 2005
ERMA Approval Code: TST000234

Applicant: Ted Wills
Region: Wellington
Decision: Approved with Limitations
Date of Approval: 19 December 2005
ERMA Approval Code: TST000233
