



TASMANIAN GOVERNMENT GAZETTE

PUBLISHED BY
AUTHORITY
ISSN 0039-9795

WEDNESDAY 9 DECEMBER 2015

No. 21 564

CONTENTS

<i>Notice</i>	<i>Page</i>
Administration and Probate	1834
Land Acquisition	1834
Living Marine Resources Management	1835
Notices to Creditors	1833
Royal Assent	1836
Rules Publication	1837
<i>Tasmanian State Service Notices</i>	1853
Taxi and Hire Vehicle Industries	1836
Water Management	1839

Notices to Creditors

MONA ETHEL SLATER late of Presbyterian Home Legana in Tasmania home duties widowed deceased: Creditors next of kin and others having claims in respect of the property or Estate of the deceased Mona Ethel Slater who died on the thirteenth day of September 2015 are required by the Executor Tasmanian Perpetual Trustees Limited of Level 2/137 Harrington Street Hobart in Tasmania to send particulars to the said company by the ninth day of January 2016 after which date the Executor may distribute the assets having regard only to the claims of which it then has notice.

Dated this ninth day of December 2015.

REBECCA SMITH, Trust Administrator

Tasmanian Government Gazette & Tasmanian State Service Notices

Publication and Copy Closure Dates

CHRISTMAS PERIOD 2015

COPY deadline for the *Tasmanian Government Gazette* and *State Service Notices* to be published on Wednesday 23 December 2015:—

All copy for the *Tasmanian Government Gazette* and *State Service Notices* must be received by 3 p.m. on Friday 18 December 2015.

COPY deadline for the *Tasmanian Government Gazette* to be published on Wednesday 30 December 2015:—

All copy for the *Tasmanian Government Gazette* must be received by 11 am on Wednesday 23 December 2015.

Please Note:—There will be no State Service Notices section in The Tasmanian Government Gazette on 30 December 2015.

NEW YEAR 2016

COPY for the *Tasmanian Government Gazette* and *State Service Notices* to be published on Wednesday 6 January 2016:—

All copy for the *Tasmanian Government Gazette* must be received by 11 a.m. on Thursday 24 December 2015.

Please Note:—State Service Notices copy deadline will be 11 a.m. on Wednesday 23 December 2015.

Tasmanian Government Gazette

Text copy to be sent to Mercury Walch Pty Ltd.
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Gazette and State Service Online

The Tasmanian Government Gazette and State Service Notices are now available online at:— www.gazette.tas.gov.au

ELICE JOY KING late of Glenara Lakes Nursing Home Youngtown in Tasmania home duties widowed deceased: Creditors next of kin and others having claims in respect of the property or Estate of the deceased Elice Joy King who died on the first day of September 2015 are required by the Executor Tasmanian Perpetual Trustees Limited of Level 2/137 Harrington Street Hobart in Tasmania to send particulars to the said company by the ninth day of January 2016 after which date the Executor may distribute the assets having regard only to the claims of which it then has notice.

Dated this ninth day of December 2015.

REBECCA SMITH, Trust Administrator.

ADRIENNE FAY STRIDE late of 28 Carlton Beach Road Dodges Ferry in Tasmania teachers aide/home duties widow deceased: Creditors next of kin and others having claims in respect of the property or Estate of the deceased Adrienne Fay Stride who died on the third day of August 2015 are required by the Executor Tasmanian Perpetual Trustees Limited of Level 2/137 Harrington Street Hobart in Tasmania to send particulars to the said company by the ninth day of January 2016 after which date the Executor may distribute the assets having regard only to the claims of which it then has notice.

Dated this ninth day of December 2015.

JOHN ROBINSON, Trust Administrator.

IN THE Estate of DOROTHY MAVIS TRELOGGEN late of Medea Park Nursing Home St Helens in Tasmania retired publican/widow deceased who died on the third day of December 2014 at Medea Park Nursing Home St Helens in Tasmania: Notice is hereby given that all creditors next of kin and other persons having claims in respect of the property or the Estate of the abovenamed deceased are required by the Executors Kerry Maxwell Richardson of 12 Franklin Street Richmond in Tasmania director/married and Edward Douglas Treloggen of 82 Cecilia Street St Helens in Tasmania retired timerworker/divorced to send particulars in writing to The Registrar Supreme Court of Tasmania GPO Box 167 Hobart Tasmania 7001 on or before the twenty-eighth day of January 2016 after which date the Executors may distribute the assets having regard only to the claims of which they then have notice.

Dated this ninth day of December 2015.

RAE & PARTNERS LAWYERS.

ROGER LANCE GENGE retired storeman/divorced man deceased who died on the fifth day of October 2015 late of Mary Ogilvy Home New Town in Tasmania: Anthony Collin Lance Genge of 51 Auburn Road Kingston in Tasmania sales manager/married man as Legal Personal Representative of Roger Lance Genge requires that any person who has a claim against the Estate lodge written details of their claim with the Registrar of the Supreme Court of Tasmania at Salamanca Place Hobart in Tasmania within thirty days from the date of publication of this notice after which date the Legal Personal Representative is at liberty to pay and distribute the assets of the estate dealing then only with the claims that he has notice.

Dated this ninth day of December 2015.

WORRALL LAWYERS, Lawyers acting on behalf of the Legal Personal Representative of the Estate.

NOTICE is hereby given that the Public Trustee has filed in the office of the Registrar of the Supreme Court at Hobart an election to administer the estate(s) of

KRISTEN DAWN McDOUGALL late of One Care Limited Bishop Davies Court Kingston in Tasmania public servant/single woman deceased

REGINALD WILLIAM MILLER late of 6 Carter Court Rosetta in Tasmania retired nurse/married man deceased

Dated this 9th day of December 2015.

DAVID BENBOW, Chief Executive Officer, Public Trustee.

Land Acquisition

LAND ACQUISITION ACT 1993

NOTICE OF ACQUISITION

(Section 18)

IN PURSUANCE of Section 18 of the *Land Acquisition Act 1993*, I, Timothy William Grant, Valuer-General acting as a delegate of the Minister of the Crown for the time being administering the *Land Acquisition Act 1993* do hereby declare that the land in the Schedule hereto is taken and vested in the Crown absolutely under the said Act for road purposes.

Given under my hand this 3rd day of December 2015.

TIM GRANT, Valuer-General,
Department of Primary Industries,
Parks, Water and Environment,
134 Macquarie Street, Hobart.

SCHEDULE

All that 2029m2 and 8324m2 of land situate in the City of Glenorchy being Lots 1 and 2 on Plan of Survey P169571 in the Office of the Recorder of Titles being portions of the land comprised in Folio of the Register Volume 110998 Folio 1 and Folio of the Register Volume 110998 Folio 2 respectively of which Tasmanian Racing Club Inc. is the registered proprietor.

Location: Brooker Highway - Elwick Road to Howard Road
Municipal Area: Glenorchy (24-25-55)

Administration and Probate

ADMINISTRATION AND PROBATE ACT 1935

Notice of Intention to Apply for Letters of Administration

NOTICE is hereby given that after the expiration of fourteen days from the publication hereof application will be made to the Supreme Court of Tasmania in its Ecclesiastical Jurisdiction that Letters of Administration of the Estate of DARREN RAYMOND WELLS late of 52 Joffre Street Mowbray in Tasmania disability support worker/divorced intestate may be granted to Shaun Raymond Wells brewer/de facto of 7 Reid Street Kings Meadows in Tasmania the son of the said deceased.

Dated this second day of December 2015.

RAE & PARTNERS Solicitors for the Applicant.

ADMINISTRATION AND PROBATE ACT 1935

*Notice of Intention to Apply for Letters of Administration
(with Will Annexed)*

NOTICE is hereby given that after the expiration of fourteen days from the publication hereof application will be made to the Supreme Court of Tasmania in its Ecclesiastical Jurisdiction that Letters of Administration of the Estate of SIDNEY MAXWELL ABLITT (also known as SYDNEY MAXWELL ABLITT) late of 172 Linnanes Road Redpa in Tasmania farmer/married man deceased with the Will Annexed may be granted to Victor John Ablitt of 3 Henry Street Somerset in the State of Tasmania and Ruth Alison Smedley of 1 Ward Street Smithton in the State of Tasmania the legal personal representatives of June Mary Ablitt the only person entitled to the Estate of the deceased.

Dated this ninth day of December 2015.

JONATHAN SMITH LAWYERS, Solicitors for the Applicant.

ADMINISTRATION AND PROBATE ACT 1935

Notice of Intention to Apply for Letters of Administration

NOTICE is hereby given that after the expiration of fourteen days from the publication hereof application will be made to the Supreme Court of Tasmania in its Ecclesiastical Jurisdiction that Letters of Administration of the Estate of EDWARD DONOVAN ALEXANDER LAWRENCE late of 14 Gore Street South Hobart in Tasmania married painter and decorator deceased who died on the nineteenth day of October 2015 intestate may be granted to Jean Mary Lawrence of 9 Tiwi Court Acton Park in Tasmania widow and retired teachers aide the lawful wife of the said deceased.

Dated this ninth day of December 2015.

WALLACE WILKINSON & WEBSTER,
Solicitors for the Applicant.

ADMINISTRATION AND PROBATE ACT 1935

Notice of Intention to Apply for Letters of Administration

NOTICE is hereby given that after the expiration of fourteen days from the publication hereof application will be made to the Supreme Court of Tasmania in its Ecclesiastical Jurisdiction that Letters of Administration of the Estate of DAVID ROBERT MOLES late of 1/141a Pottery Road Lenah Valley in Tasmania disability pensioner single deceased intestate may be granted to Emma Delight Moles of 5 Kenton Road Geilston Bay in Tasmania home duties widow the mother of the said deceased.

Dated this ninth day of December, 2015.

MURDOCH CLARKE, Solicitors for the Applicant.

ADMINISTRATION AND PROBATE ACT 1935

Notice of Intention to Apply for Letters of Administration

NOTICE is hereby given that after the expiration of fourteen days from the publication hereof application will be made to the Supreme Court of Tasmania in its Ecclesiastical Jurisdiction that Letters of Administration of the Estate of LAYNE FRANCIS DELPHIN of 39 Beer Street Wesley Vale in the State of Tasmania maintenance manager divorced deceased intestate may be granted to Judith Anne Delphin of 35 Josephine Street Ulverstone in the State of Tasmania retired married the mother and Terrance Michael Delphin of 7 Giblin Street Rosebery in the State of Tasmania apprentice automotive mechanic single the son of the said deceased.

Dated this the thirtieth day of Novemb
McVEITY & ASSOCIATES,
Solicitor for the Applicants.

Living Marine Resources

FISHERIES (VALUE OF FISH) ORDER 2015

I MAKE the following order under section 269 of the *Living Marine Resources Management Act 1995*.

9 December 2015

J. ROCKLIFF, Minister for Primary Industries and Water.

Short title

1. This order may be cited as the *Fisheries (Value of Fish) Order 2015*.

Commencement

2. This order takes effect on 9 December 2015

Interpretation

3. (1) In this order "Act" means the *Living Marine Resources Management Act 1995*

(2) An expression in this order that is defined in the Act or regulations or rules made under the Act has the same meaning as so defined.

Value of fish

4. For the purposes of section 269 of the Act –

(a) The values of each unit of weight of fish or each fish of a non-protected species are declared to be as follows:

<i>Species</i>	<i>Value each kilogram</i>	<i>Value each fish</i>
abalone -		
whole	\$35.80	\$18.25
meat	\$102.00	\$18.25
banded morwong	\$18.00	\$23.40
billfish	-	\$100.00
clams	\$12.30	37 cents
flathead	\$6.58	\$11.25
giant crab	\$45.20	\$113.00
jack mackerel	50 cents	25 cents
mussels	\$4.00	10 cents
native oysters	-	\$7.00 per dozen
octopus	\$8.80	\$15.00
pacific oysters	-	\$25.00 per dozen
periwinkles	\$7.00	20 cents
rock lobster	\$43.00	\$38.00
salmonid	\$13.50	\$54.00
scallops -		
whole	\$2.50	18 cents
meat	\$13.50	18 cents
sea urchin	\$1.60	40 cents
shark -		
gummy, school	\$8.35	\$25.00

other species	\$3.00	\$10.00
southern calamari	\$11.00	\$15.00
striped trumpeter	\$12.90	\$25.80
Blue eye trevalla	\$10.90	\$21.80
tuna	-	\$50.00
wrasse	\$13.65	\$20.50
other	\$5.00	\$7.50

(b) The values of each unit of weight of fish or each fish of a protected species are declared to be as follows:

<i>Species</i>	<i>Value</i>
elephant snail - each	\$2
Shark - great white, basking, grey nurse, megamouth, whale - each	\$100
handfish - each	\$50
limpet - each	\$2
maugean skate - each	\$50
siyngnathidae - each	\$20
threefin blenny - each	\$5
other protected species - each	\$10

Notified in the Gazette on 9 December 2015

This order is administered in the Department of Primary Industries, Parks, Water and Environment.

Taxi and Hire Vehicle Industries

TAXI AND HIRE VEHICLE INDUSTRIES ACT 2008

Section 94

APPROVAL OF SECURITY CAMERAS

NOTICE is hereby given that the following security camera system is approved for use in taxis, effective from the date of Gazetteal:

VERIFEYE – TAXICAM MARK 5 as supplied by VERIFEYE AUST PTY LTD.

Dated the seventh day of December 2015.

SHANE GREGORY, Commissioner for Transport.

Royal Assent

Government House
Hobart, Tasmania
4 December 2015

HER EXCELLENCY the Governor has this day in the name of Her Majesty The Queen assented to the following Bills:-

A Bill for an Act to amend the *Land Use Planning and Approvals Act 1993* and various enactments consequent on those amendments.

Land Use Planning and Approvals Amendment (Tasmanian Planning Scheme) Act 2015

(Act No. 47 of 2015)

A Bill for an Act to validate certain actions in respect of the Kennerley Trust, to revoke the deed establishing the Kennerley Trust, to make provision for how the trust property is to be dealt with on revocation of the deed, and for related purposes.

Kennerley Trust Act 2015

(Act No. 48 of 2015)

A Bill for an Act to amend the *Living Marine Resources Management Act 1995*.

Living Marine Resources Management Amendment Act 2015

(Act No. 49 of 2015)

By Her Excellency's Command

DAVID OWEN, Official Secretary.

Rules Publication

RULES PUBLICATION ACT 1953

NOTICE OF THE MAKING OF STATUTORY RULES

IN ACCORDANCE with the provisions of the *Rules Publication Act 1953*, notice is given of the making of the following statutory rules:—

Title of Act (if any) under which statutory rules made	Number allotted to statutory rules	Title or subject matter of Statutory Rules
(1) <i>Food Amendment Act 2015</i>	S. R. 2015, No. 81	Proclamation under section 2
(2) <i>Juries Act 2003</i>	S. R. 2015, No. 82	<i>Juries Regulations 2015</i>
(3) <i>Poisons Act 1971</i>	S. R. 2015, No. 83	<i>Poisons Amendment (Medicine Chests) Regulations 2015</i>
(4) <i>Veterinary Surgeons Amendment Act 2015</i>	S. R. 2015, No. 84	Proclamation under section 2
(5) <i>Water Management Amendment (Dam Works) Act 2015</i>	S. R. 2015, No. 85	Proclamation under section 2
(6) <i>Water Management Amendment (Consequential and Transitional Provisions) Act 2015</i>	S. R. 2015, No. 86	Proclamation under section 2
(7) <i>Nature Conservation Act 2002</i>	S. R. 2015, No. 87	<i>Nature Conservation (Open Season) Amendment (Deer) Order 2015</i>

GENERAL PURPORT OR EFFECT OF THE ABOVEMENTIONED STATUTORY RULES

(1) Proclamation under section 2 of the *Food Amendment Act 2015*

This proclamation fixes 9 December 2015 as the day on which the *Food Amendment Act 2015* commences.

(2) *Juries Regulations 2015*

These regulations –

- (a) prescribe the remuneration and allowances to be paid to certain persons who attend court in response to a summons for jury service or as a supplementary juror; and
- (b) are made consequentially on the repeal of the *Juries Regulations 2005* under section 11 of the *Subordinate Legislation Act 1992*.

(3) *Poisons Amendment (Medicine Chests) Regulations 2015*

These regulations amend the *Poisons Regulations 2008* by –

- (a) making provision for the supply of medicine chests by the Royal Flying Doctor Service for use in remote locations; and
- (b) amending certain provisions relating to the possession and supply of methoxyflurane and nitrous oxide by certain first aid officers.

(4) Proclamation under section 2 of the *Veterinary Surgeons Amendment Act 2015*

This proclamation fixes 9 December 2015 as the day on which the provisions of the *Veterinary Surgeons Amendment Act 2015* commence.

(5) Proclamation under section 2 of the *Water Management Amendment (Dam Works) Act 2015*

This proclamation fixes 1 January 2016 as the day on which the *Water Management Amendment (Dam Works) Act 2015* commences.

(6) Proclamation under section 2 of the *Water Management Amendment (Consequential and Transitional Provisions) Act 2015*

This proclamation fixes 1 January 2016 as the day on which the provisions of the *Water Management Amendment (Consequential and Transitional Provisions) Act 2015* commence.

(7) *Nature Conservation (Open Season) Amendment (Deer) Order 2015*

This order amends the *Nature Conservation (Open Seasons) Order 2004* by extending the open seasons for adult male European fallow deer and antlerless European fallow deer.

Copies of the abovementioned statutory rules may be purchased at Mercury Walch Pty Ltd,
5-7 Bowen Road, Moonah. Phone (03) 6232 2101 or Toll Free 1800 030 940.

ROBYN WEBB,
Acting Chief Parliamentary Counsel.

PARLIAMENTARY STANDING COMMITTEE ON SUBORDINATE LEGISLATION

'Anyone who has problems with, or feels they are adversely affected by, any of the above Regulations can write to the Secretary of the Subordinate Legislation Committee, Legislative Council, Parliament House, Hobart, 7000.'

TANIA RATTRAY, MLC, Chairperson.

Water Management

WATER MANAGEMENT ACT 1999

Erratum

The order to issue the Division 4 Permit Dam Works Code 2015 which was published in the *Tasmanian Government Gazette* on 25 November 2015 on page 1758 failed to include the Code.

The Division 4 Permit Dam Works Code 2015 issued under section 301(1)(b) of the *Water Management Act 1999* on 25 November 2015 is included below.

Division 4 Permit Dam Works Code 2015

A Code issued pursuant to section 301 of the *Water Management Act 1999* for the purposes of dam works and related matters for Division 4 permits under Part 8 of the *Water Management Act 1999*.

November 2015

Department of Primary Industries, Parks
Water and Environment



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Department of Primary Industries, Parks, Water and Environment
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Table of Contents

PART 1. INTRODUCTION	4
1.1 Division 4 permit	4
1.2 Legal obligations	4
PART 2. DIVISION 4 PERMIT DAM WORKS CODE 2015 -OVERVIEW	5
2.1 Purpose of this Code	5
2.2 Authority of this Code	5
2.3 Application of this Code	5
2.4 Format	5
2.5 Compliance requirements.....	5
PART 3. PLANNING	6
3.1 Site investigations.....	6
3.2 Site planning	6
PART 4. DESIGN STANDARDS	7
PART 5. MINIMUM CONSTRUCTION STANDARDS	8
5.1 Reference bench mark.....	8
5.2 Clearing of the dam site	8
5.3 Foundation.....	8
5.4 Keyway	8
5.5 Rock.....	8
5.6 Outlet pipe materials and installation	8
5.7 Borrow pits	9
5.8 Embankment compaction.....	9
5.9 Settlement of the embankment	10
5.10 Vegetation.....	10
5.11 Spillway.....	10
5.12 Initial filling.....	10
PART 6. REPAIR OR MODIFICATION OF AN EXISTING DAM	11
PART 7. REMOVAL OF AN EXISTING DAM	12
PART 8. ENVIRONMENTAL STANDARDS	13
8.1 Sediment and erosion control	13
8.2 Eagle nests	13
PART 9. OTHER OBLIGATIONS OF DAM WORKS PERMIT HOLDERS	14
9.1 Conditions of a Division 4 permit.....	14
9.2 Dam safety.....	14
9.3 Keeping of records and information	14

PART I. INTRODUCTION

I.1 Division 4 permit

The *Water Management Act 1999* (the Act) provides for the sustainable management and allocation of Tasmania's water resources. Part 8 of the Act regulates dam works and provides for the issuing of dam works permits which authorise the undertaking of dam works.

Part 8 of the Act provides two pathways to obtaining a dam works permit. The first pathway provides for a Division 3 permit, obtained through an application and assessment process. The Division 3 permit pathway is not discussed further.

The second pathway provides for a Division 4 permit, with no application necessary. A person is entitled to a Division 4 permit if their dam works meet the criteria specified under section 159 of the Act. Under section 161 of the Act, a person entitled to a Division 4 permit is taken to have been issued with a permit after they have given notice of their intention to undertake dam works under section 160 of the Act.

I.2 Legal obligations

A person undertaking dam works authorised by a Division 4 permit is entitled to some permit/approval exemptions under other Acts. For example, a permit or special permit is not required under Section 60A of the *Land Use Planning and Approvals Act 1993*.

However, holding a dam works permit does not absolve a permit holder from other legal obligations under the *Water Management Act 1999* or other Acts. For example, a person holding a dam works permit may need to:

- apply for an authority to take water into the dam, under the *Water Management Act 1999*;
- apply for a permit under the *Commonwealth Environment Protection and Biodiversity Conservation Act 1999* if the dam works may impact on a matter of national environmental significance;
- apply for a permit under the *Aboriginal Relics Act 1975*, if the dam works are going to interfere with Aboriginal heritage;
- undertake action, under the *Weed Management Act 1999*, against declared weed species.

Off-site activities may also require authorisation under other legislation. This may include providing access to the site (e.g. development or upgrading of roads) or operating an off-site quarry (borrow pit). Dam works permit holders will need to ensure that all the appropriate authorisations for off-site activities have been obtained from the relevant agency or local council.

The limited examples of potential legal obligations set out above should not be taken to be an exhaustive list and provides guidance only. The onus is on dam works permit holders to make themselves aware of all obligations under the *Water Management Act 1999* or any other Act.

PART 2. DIVISION 4 PERMIT DAM WORKS CODE 2015 - OVERVIEW

2.1 Purpose of this Code

The purpose of the *Division 4 Permit Dam Works Code 2015* is to prescribe minimum design, construction and environmental standards that apply to dam works authorised under a Division 4 permit¹.

2.2 Authority of this Code

Pursuant to Section 301 of the *Water Management Act 1999*, a code of practice may be issued in respect of dam works and related matters. This Code has been issued under section 301(1)(b) for the purposes of dam works authorised under a Division 4 permit.

This Code is administered by the Department for Primary Industries, Parks, Water and Environment on behalf of the Minister for Primary Industries and Water.

2.3 Application of this Code

This Code applies to all dam works, including constructing a new dam and repairing, modifying or removing an existing dam, that are authorised under a Division 4 permit.

2.4 Format

Part 3 of the Code, *Planning*, prescribes requirements for site investigations and planning that must be undertaken in relation to all dam works authorised under a Division 4 permit.

Part 4 of the Code, *Design Standards*, prescribes minimum design standards that apply to all dam works, with the exception of removal of an existing dam, authorised under a Division 4 permit.

Part 5 of the Code, *Minimum Construction Standards*, prescribes minimum construction standards that apply to all dam works, with the exception of removal of an existing dam, authorised under a Division 4 permit.

Part 6 of the Code, *Repair or Modification of an Existing Dam*, prescribes additional requirements that apply when repairing or modifying an existing dam authorised under a Division 4 permit.

Part 7 of the Code, *Removal of an Existing Dam*, prescribes additional requirements that apply when removing an existing dam authorised under a Division 4 permit.

Part 8 of the Code, *Environmental Standards*, prescribes environmental standards that apply to all dam works authorised under a Division 4 permit.

2.5 Compliance requirements

This Code prescribes standards that apply to dam works authorised under a Division 4 permit. The *Water Management (Division 4 Permit Conditions) Order 2015* specifies that compliance with this Code is a condition of a Division 4 permit. Under the Act, non-compliance with dam works permit conditions is a breach of the permit and the holder is liable to enforcement action.

Dam works permit holders should ensure that staff, contractors and their employees are familiar with, and observe, those aspects of this Code applicable to dam works undertaken.

¹ Section 138 of the Act defines a Division 4 permit as a permit taken under section 161 to have been issued.

PART 3. PLANNING

3.1 Site investigations

Before construction starts the landowner must make a thorough investigation of the site to establish the nature of the foundation and to locate sufficient suitable clay material to use in the embankment.

3.2 Site planning

Before commencing dam works, permit holders must prepare a dam works site plan that accurately shows the:

- location of the dam wall, or proposed dam wall; and
- siting of the proposed dam works construction footprint²; and
- inundation area at full supply level (FSL) and maximum flood level (MFL)³; and
- contours of the land; and
- mapped⁴, or otherwise known, significant features⁵.

Note: the basis of a site plan may be produced on LISTMAP by:

1. entering the following URL into your web browser -
<http://maps.thelist.tas.gov.au/listmap/app/list/map?bookmarkId=99801#.Vkqd8bQWVjl.email> ;
2. selecting 'Tools' > 'Drawing Tools' > 'Add an Area on the Map' (at the top left of LISTmap), then using the selected tool to draw the proposed inundation and dam works footprint on the map; or alternatively
 - a. importing a shape file of the dam/inundation footprint; or
 - b. simply drawing the dam/inundation footprint on a hard copy of a printed map.
3. Identifying any known significant features not available on the LISTmap dam layer.

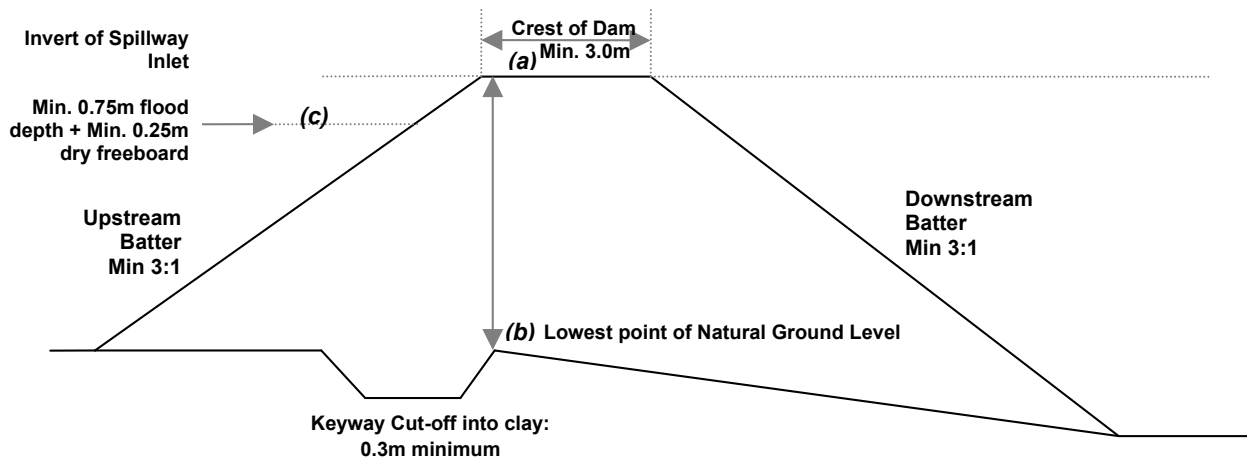
² **dam works construction footprint** means the area of land in and around the dam site, to be affected by construction activities such as machinery movement, borrow pits, stockpiles, and vegetation clearance.

³ not required for removal of an existing dam;

⁴ **mapped** means as mapped on LISTmap, Natural Values Atlas, CFEV and salinity mapping available at: <http://dpipwe.tas.gov.au/Documents/salinity-mapA0-web.pdf>

⁵ **significant features** include water resources, contour lines, public and private assets, reserves, recorded threatened species, mapped or known threatened native vegetation communities, nests of a threatened species, significant habitat for a threatened species, mapped or known biosecurity risks including weeds, pests and diseases, landslide hazard areas, any trees to be cleared or harvested, potential/known acid sulfate soil areas, high conservation value freshwater-dependant ecosystems, potential/known saline soil areas, potential/known contaminated land, road or rail infrastructure or easements, electricity or gas infrastructure or easements, conservation covenants, heritage listed property, known aboriginal relics, caves, listed geoconservation sites.

PART 4. DESIGN STANDARDS



Note: The cut-off trench is required to be taken down a minimum of 300 mm into impervious soil and backed filled with good quality clay that is thoroughly compacted.

Figure 1. Dam Cross Section

1. The **maximum height of the proposed dam wall** (i.e. height from Point (a) to Point (b) on Figure 1) must not exceed the height submitted in the Notice of Intention to Undertake Dam Works⁶.
2. The **minimum width of the crest of the proposed dam wall** must be 3.0 metres for dams with a wall height at or greater than 1.0 metre (location of crest is noted on Figure 1).
3. The **minimum upstream batter slope** must be 3:1 for dams with a wall height at or greater than 1.0 metre (location of batter is noted on Figure 1).
4. The **minimum downstream stream batter slope** must be 3:1 for dams with a wall height at or greater than 1.0 metre (location of batter is noted on Figure 1).
5. The **minimum spillway width** must be 3.0 metres for dams with a catchment area of up to 40 hectares.
6. The **minimum spillway flood depth** must be 0.75m for dams with a catchment area of up to 40 hectares.
7. The **minimum dry freeboard depth** must be 0.25m for dams with a fetch distance* up to 0.7km (*the distance from the dam wall to the upper most extent of the backup water).
8. The **minimum outlet pipe size** must be a nominal diameter of 150mm for all dams with a storage capacity at or greater than 10ML, with a valve to suit.

⁶ Required under section 160 of the *Water Management Act 1999*.

PART 5. MINIMUM CONSTRUCTION STANDARDS

5.1 Reference bench mark

For dams with a capacity greater than 10 ML, before commencing dam works, permit holders must:

- (i) install a reference benchmark; and
- (ii) keep a record of the Reduced Level (metres) and the coordinates of the height datum reference until dam works are completed.

Note: The reference bench mark must be reported in the notice of completion of dam works⁷.

5.2 Clearing of the dam site

The area to be covered by the embankment must be pegged out prior to commencement of works and this, and the area to be excavated, must be cleared and grubbed.

Topsoil must be heaped in areas outside the area to be covered by the embankment and all trees, scrub and roots removed. Topsoil must be placed in layers not exceeding 200 mm in depth and planted with grass if it is to be left for more than 6 months before being placed back onto the completed dam. This will conserve the integrity of the topsoil.

All saturated material in the embankment area must be pushed well clear of the site and not used in the embankment in its saturated state.

5.3 Foundation

The base of the embankment must be stripped of all topsoil, silt, loose material, vegetable matter and then scarified over its whole area.

5.4 Keyway

A keyway of at least 2.5 metres wide must be excavated under the centre section of the embankment. The keyway must be at least 0.3 metres in depth into impervious soil or solid rock and backfilled with the appropriate quality clay, then thoroughly compacted. The keyway must extend for the entire length of the embankment including the hillside flanks, and must continue to the height of the embankment.

5.5 Rock

If rock is encountered under the embankment, appropriate measures must be taken to cut off seepage through the rock/soil interface and to prevent seepage in the rock joints coming into contact with the embankment soil. Such measures might involve the use of bentonite and a mortar or shotcrete blanket over the rock.

5.6 Outlet pipe materials and installation

The preferred outlet pipe material is High Density Polyethylene (HDPE) with a nominal pressure rating of at least PN 6.3.

If steel pipes are to be used they must be treated to resist corrosion.

Steel or concrete pipes may require more careful installation and testing.

⁷ Required under section 164ZB of the *Water Management Act 1999*.

When installing outlet pipes, the following procedures must be followed:

- (i) a separate trench must be dug at natural ground level, not through any formed embankment, for the pipe to lay in;
- (ii) HDPE pipe lengths are to be joined by either fusion welding or, if they need to be disassembled, the pipe can be joined by Vitaulic joints (or depending on the application, a mixture of both);
- (iii) the installation of baffle plates affixed to HDPE pipe must be constructed from HDPE material and each baffle plate must be at least 600 mm x 600 mm in dimension and 20 mm thick;
- (iv) baffle plates must be placed over the length of the pipe at regular intervals, with a minimum of two baffle plates installed;
- (v) clay must be hand-tamped with an appropriate hand held tamping machine such as a Wacker Packer, up to slightly above the top of the installed pipe so as not to damage or crush the pipe during embankment construction;
- (vi) the intake end of the outlet pipe must be fitted with a screen and encased in a concrete anchor block;
- (vii) the discharge end of the outlet pipe must be fitted with a valve to suit.

5.7 Borrow pits

When rock is exposed in the excavation area, no attempt should be made to excavate into the rock. All exposed areas of gravel, jointed rock or other porous material in the storage area and under the embankment must be covered with at least 300 mm of compacted clay to ensure water tightness.

5.8 Embankment compaction

For dams with a wall height at or greater than 3.0 metres compaction must be undertaken with a tamper foot roller (sheeps foot roller) and compaction to be undertaken as follows:

- (i) all fill material for the embankment is to be placed in layers (or lifts) no greater than 150 mm thick;
- (ii) the largest size particle should not be greater than one third the height of the lift, that is, 50 mm;
- (iii) each layer should be thoroughly compacted before the next layer is placed, with a minimum of 6 passes per layer required;
- (iv) the minimum compaction effort is to be at 95% standard maximum dry density (MDD), with an average of 98% MDD being achieved; or standard Proctor (non-structural fill) as in context to modified Proctor (structural fill) as per Australian Standard: AS1289 *Methods of Testing Soil for Engineering Purposes*;
- (v) the material forming the embankment should be placed with sufficient moisture to ensure proper compaction; the moisture content is to be within the range of -1% to +3% of optimum moisture content (OMC). If the material is too dry, water should be added to achieve the OMC. If the material is too wet, it should be spread and mixed;
- (vi) before each additional 150 mm lift is added to the embankment, the preceding lift should be scarified to ensure that the two lifts are properly joined so that no natural paths for seepage are present;

- (vii) a wheeled scraper or truck may be used for placing the clay on the dam site and spread with the blade of a bulldozer and then compacted using a tamper foot roller (sheeps foot roller). Machinery with crawler tracks or tyres are not suitable and are not to be used for achieving the required compaction effort.

5.9 Settlement of the embankment

An allowance of 5% of the height of the embankment is provided to allow settlement of the embankment overtime. For example, if the permitted height of the dam is 5.0 metres, the embankment may be built to 5.25 metres (+5%) to allow for settlement.

5.10 Vegetation

Topsoil is to be spread over the exposed surfaces of the completed embankment to a depth of at least 150 mm and sown with pasture grass to establish a good cover as soon as possible.

5.11 Spillway

The spillway must preferably be cut in solid material (preferably rock) that will resist erosion. The spillway discharge must be channelled away from the embankment.

5.12 Initial filling

Where practical, a dam must be filled at a rate of not more than 0.3 metres depth per day.

PART 6. REPAIR OR MODIFICATION OF AN EXISTING DAM

In addition to the requirements of Parts 3, 4 and 5 of this Code, where dam works consist of repair or modification of a dam, the following requirements must be complied with:

- (i) all new material used in the new dam works must be similar to that of the existing dam;
- (ii) all top soil in and around the site of the proposed new works must be removed prior to commencing new works;
- (iii) the surface areas of the existing dam where works will be undertaken must be scarified and prepared so that the new and existing materials are laid down and joined without forming any laminations;
- (iv) the laying down and compaction effect of the new material is to be undertaken as per embankment compaction requirements of Section 5.8 of this Code.

PART 7. REMOVAL OF AN EXISTING DAM

Where dam works consist of the removal of a dam, the following requirements must be complied with:

- (i) the dam must be dewatered prior to embankment removal;
- (ii) the inundation area is to be dry and able to take machinery traffic before works commence;
- (iii) all silt and fine materials laying on the bottom of the inundation area must be removed or stripped away and stockpiled;
- (iv) top soil must be stripped away from the surface of the embankment and stockpiled;
- (v) embankment material must be placed back within the inundation area and treated as per embankment compaction requirements of Section 5.8 of this Code;
- (vi) topsoil must be spread over the final compacted material to a depth of at least 150 mm and sown with pasture grass to establish a good cover as soon as possible.

PART 8. ENVIRONMENTAL STANDARDS

8.1 Sediment and erosion control

If dam works are within 100 metres of any downhill:

- watercourse; or
- public or private asset (e.g. road, house or drain); or
- known threatened species listed under the *Threatened Species Protection Act 1995*; or
- threatened vegetation communities, conservation covenant or reserved land under the *Nature Conservation Act 2002*

the following actions must be undertaken to minimise sediment movement from the site:

- (i) prior to commencement of works, a *Sediment And Erosion Control Plan* must be prepared in accordance with *Guidelines for the Developing a Sediment and Erosion Control Plan for Dam Works Sites* (available at http://dpipwe.tas.gov.au/Documents/Guidelines-for-Sediment-and-Erosion-Control_Dam-Works.pdf);
- (ii) the *Sediment and Erosion Control Plan* must be implemented in full.

8.2 Eagle nests

If dam works are within 500 metres of, or within 1000 metres line of sight of, a recorded eagle's nest, the dam works must not be carried out between 1 June and 31 March without prior written approval from the Department in accordance with *Directions for Obtaining Written Approval for Dam Works Within the Vicinity of a Known Eagle Nest* available at <http://dpipwe.tas.gov.au/Documents/DamNearEagleNest.pdf>.

PART 9. OTHER OBLIGATIONS OF DAM WORKS PERMIT HOLDERS

In undertaking any dam works, Division 4 permit holders must also be aware of their obligations under the:

- *Water Management Regulations 2009*; and
- *Water Management (Safety of Dams) Regulations 2015*; and
- *Water Management (Division 4 Permit Conditions) Order 2015*.

9.1 Conditions of a Division 4 permit

Section 164A of the *Water Management Act 1999* states that a Division 4 permit is subject to conditions determined by the Minister in an order. The *Water Management (Division 4 Permit Conditions) Order 2015* prescribe the conditions for a Division 4 permit.

9.2 Dam safety

The *Water Management (Safety of Dams) Regulations 2015* prescribes the activities and required levels of competency in relation to the safety of dams that must be undertaken for dam works undertaken under a Division 4 permit.

9.3 Keeping of records and information

In accordance with the requirements set out in the *Water Management Regulations 2009*, a person who is, or has been entitled to, a Division 4 permit must keep the following records and information for a period of 5 years, commencing on the day on which the dam works are completed:

- (i) any surveys that relate to the dam works;
- (ii) any design plans in relation to the dam works;
- (iii) any reports, in relation to the dam works, that are obtained by the person;
- (iv) any other information, contained in a document (including an electronic document) that has been prepared or obtained by the person and is relevant in determining whether the person was entitled to a Division 4 permit in relation to the dam works.

Any relevant records and information must be provided to an authorised officer when requested.

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