

APPENDIX D

SITE ENVIRONMENTAL MANAGEMENT PLAN

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1. INTRODUCTION

1.1 Executive Summary

Dabyne Planning Pty Ltd has been engaged by Perisher Blue Pty Ltd (Perisher Blue) the operator of Perisher Ski Resort to prepare a Site Environmental Management Plan (SEMP) to accompany a Statement of Environmental Effects to undertake tree removal works as part of an overall project to re-establish and widen the Powder Valley Traverse, a ski traverse run that is located within the Guthega ski area of the Perisher Ski Resort.

The tree removal works will require the removal and pruning of forty-four (44) trees. No earthworks are proposed as part of the works with the tree stumps to remain in-situ.

The project is anticipated to commence in mid May 2014 and be completed by the end of May 2014. It is anticipated that the project will take approximately one week to complete, subject to favourable weather conditions.

1.2 SEMP Context

This SEMP is to be read in conjunction with:

- Statement of Environmental Effects prepared by Dabyne Planning, April 2014 (which this SEMP forms part of).
- Perisher Blue Ski Resort: Ski Slope Master Plan 2002 (PBSSMP) which outlines best practice for development within the Resort.

The following construction practices identified in the PBSSMP are relevant to the proposal, as follows:

- Movement on Tracks (2.1)
- Movement off Tracks (2.2)
- Fencing and Protection of sensitive areas (5.8)
- Protection of trees (5.9)
- Disposal of cut timber (5.10)
- Washing of construction equipment (5.11)
- Choice of plant species and revegetation (6.1)
- Heath re-establishment (6.5)
- Tree Planting (6.6)
- Permanent road and vehicle tracks (7.2)

The guidelines for the above construction practices are contained within Appendix A of the PSSMP.

1.3 SEMP Objectives

The objectives of this SEMP are to:

- ensure compliance with the requirements of all relevant environmental legislation;
- identify specific responsibilities for ensuring the safeguards are implemented;

- ensure that works are managed to reduce adverse impacts on the environment;
- ensure environmental safeguards are implemented correctly; and
- provide a basis for the auditing, monitoring and reporting of environmental performance.

2. ENVIRONMENTAL ACTIONS

2.1 Environmental Actions

The environmental actions required for the proposed works are listed in Table 1 below.

This table also provides the timeframe and frequency for the actions and subsequent monitoring, as well as the designation of responsibilities.

This provides an all-inclusive checklist for the efficient use by Contractors and relevant staff.

Table 1 Environmental Actions Checklist

Flora

ACTION CHECKLIST	Who's Responsible	When to be undertaken	DONE (Initial/date)
PRIOR TO CONSTRUCTION			
All site personnel shall observe the limits of the works area and be made aware of the importance of vegetation of significant value during the site induction.	Site Environmental Manager	Site Induction / Prior to Commencement / During Construction	
DURING CONSTRUCTION			
To reduce the risk of further spread of weeds; machinery and vehicles used on site are to be thoroughly washed before entering Kosciuszko National Park; and footwear and equipment are to be washed prior to being utilised to ensure they area free of weed seeds.	Site Supervisor/ Contractor	Prior to Park Entry	

Fauna

ACTION CHECKLIST	Who's Responsible	When to be undertaken	DONE (Initial/date)
DURING CONSTRUCTION			
Accidental leakages and spillage of concrete, fuel or lubricant from machinery shall be dealt with by taking immediate measures to contain the spill.	Site Supervisor	During Construction	
POST CONSTRUCTION			
Areas which have been disturbed are to be rehabilitated immediately following the completion of works.	Site Environmental Manager / Site Supervisor	Upon Completion	

Water Quality

ACTION CHECKLIST	Who's Responsible	When to be undertaken	DONE (Initial/date)
DURING CONSTRUCTION			
Spills of any liquids shall not be hosed or flushed away but swept or collected.	Site Supervisor	During Construction	

Equipment shall be properly maintained to prevent water pollution. All plant and equipment should be inspected daily to avoid leakage of fuel, oil or hydraulic fluid.	Site Supervisor	During Construction	
No maintenance other than emergency repairs shall be undertaken on site.	Site Supervisor	During Construction	
All plant/equipment shall be washed out in an appropriately protected area to prevent erosion and pollution to existing drains or natural areas.	Site Supervisor	During Construction	
Spill kits shall be readily accessible.	Site Supervisor	Prior to Commencement	

Site Working Area

ACTION CHECKLIST	Who's Responsible	When to be undertaken	DONE (Initial/date)
DURING CONSTRUCTION			
All flammable and/or explosive materials shall be kept in an approved Workcover area.	Site Supervisor	During Construction	
Ensure that access to the site is restricted to authorised personnel only.	Site Supervisor	During Construction	
Ensure site and associated plant and equipment is secured when site activities conclude at the end of the day.	Site Supervisor	End of Each Day	
POST CONSTRUCTION			
Upon completion of construction, the site working areas shall be removed, and the area reinstated as found originally.	Site Supervisor	Upon Completion	

Air Quality

ACTION CHECKLIST	Who's Responsible	When to be undertaken	DONE (Initial/date)
DURING CONSTRUCTION			
Materials transported in open trucks shall be covered to prevent generation of dust.	Site Supervisor	During Construction	
The tailgates of all vehicles transporting material from the construction site shall be securely fixed prior to loading and immediately after unloading.	Site Supervisor	During Construction	
POST CONSTRUCTION			

ACTION CHECKLIST	Who's Responsible	When to be undertaken	DONE (Initial/date)
Areas no longer required for construction activity shall be progressively stabilised as soon as practicable to assist in controlling dust.	Site Supervisor	Upon Completion	

Fuel, Chemicals & Hazardous Material (Explosives)

ACTION CHECKLIST	Who's Responsible	When to be undertaken	DONE (Initial/date)
DURING CONSTRUCTION			
A container of spill absorbent is to be made available and used for emergency spills of fuel, oil or other chemicals.	Site Supervisor	Prior to Commencement	
No fuel will be store on site.	Site Supervisor	During Construction	
POST CONSTRUCTION			
Any contaminated material (empty drums, rag, contaminated soil etc) shall be removed immediately from the site and disposed of in accordance with the appropriate regulations.	Site Supervisor	End of Each Day	

Plant and Equipment

ACTION CHECKLIST	Who's Responsible	When to be undertaken	DONE (Initial/date)
DURING CONSTRUCTION			
All plant and equipment used on the subject site is to be placed in existing disturbed corridors to prevent minimal disturbance to the native vegetation.	Site Supervisor	Prior to Commencement / During Construction	
Emergency procedures shall be displayed in a prominent position in the site working area.	Site Supervisor	Prior to Commencement / During Construction	
POST CONSTRUCTION			
All work sites shall be restored in a satisfactory manner and where necessary in accordance with the appropriate regulations.	Site Supervisor/ Environmental Manager	Upon Completion	

Waste Management

ACTION CHECKLIST	Who's Responsible	When to be undertaken	DONE (Initial/date)
DURING CONSTRUCTION			
All litter generated on site is to be placed in small garbage bags. At the end of each day, these bags are to be disposed of in appropriate bins.	Site Supervisor	End of Each Day	
A daily inspection shall be carried out to ensure the worksite is left in a rubbish free state.	Site Supervisor	End of Each Day	
All employees shall be informed of the need to maintain a clean worksite.	Site Supervisor	Prior to Commencement / During Construction	
All loads of rubbish removed shall be securely covered to ensure no spillage.	Site Supervisor	During Construction	
To the furthest extent possible, efforts shall be made to reduce, reuse and recycle materials used onsite.	Site Supervisor	During Construction	
POST CONSTRUCTION			
The worksite shall be left in a tidy and rubbish free state upon completion of the Project.	Project Manager	Upon Completion	

European and Aboriginal Heritage

ACTION CHECKLIST	Who's Responsible	When to be undertaken	DONE (Initial/date)
DURING CONSTRUCTION			
All staff and contractors working on the site shall be advised of the need to notify their supervisor and cease work, if either indigenous or non-indigenous heritage items are encountered.	Project Manager	Prior to Commencement	
Any evidence of Aboriginal relics discovered during construction shall be reported to OEH. Work in subject area to cease.	Project Manager	During Construction	

Noise and Vibration

ACTION CHECKLIST	WHO'S Responsible	When to be undertaken	DONE (Initial / date)
PRIOR TO CONSTRUCTION			
All equipment to be used shall be correctly maintained and in good working order.	Site Supervisor	Prior to Commencement	
DURING CONSTRUCTION			
All construction activities shall be restricted to the hours as stipulated in the development consent issued by the Department of Planning & Infrastructure.	Project Manager	During Construction	
All site works shall be ceased by 30 May unless otherwise agreed to in writing by the Department of Planning & Infrastructure.	Project Manager	30 May 2014	

2.2 Soil, Water & Construction Management

A comprehensive manual for soil, water and construction management procedures in relation to all the components of snowmaking infrastructure are provided Appendix A of the PSSMP. The manual provides an 'Environmental Best Practice' for Construction Practices specifically tailored for the resort, which has been adopted by the OEH (NPWS).

The construction methods prescribed in Appendix A of the PSSMP are to be read in conjunction with the above Environmental Actions Checklist.

As the proposal does not require any excavation works, no erosion and sediment controls will be required.

2.3 Construction Access

All access during summer will be on foot from the intersection of the Saddle traverse and Karls ski run. Vehicle access on the Low traverse will not be permitted.

2.4 Indigenous Heritage

Should any material suspected of being an Aboriginal object become unearthed in the course of works associated with the proposed works, all work at that location shall cease immediately as per Section 90 of the *National Parks and Wildlife Act 1974*, and the Office of Environment and Heritage (OEH) shall be contacted immediately to arrange for representatives to inspect the site.

3 Responsibility and Requirements

3.1 On-site Structure and Responsibility

Table 2: Allocation and Responsibility

Environmental Responsibilities		
Title	Name and Contact No.	Responsibility
General Manager of Operations for Perisher	Michael Fearnside - 6459 4408 / 0428 484 273	Project Manager: <ul style="list-style-type: none"> • Oversee the project and manage contractors. • Liaise with Perisher Blue staff and Contractors. • Respond to complaints & inquiries of environmental matters. • Liaise with DPI and NPWS.
Mountain Manager, Perisher	Andrew Kennedy - 6459 4408	Site Supervisor: <ul style="list-style-type: none"> • Day to day supervision of the project. • Ensure conditions of consent are complied with. • Implementation and maintenance of environmental controls as detailed in the SEMP.
Environmental Manager, Perisher	Tanya Bishop - 6459 4504 / 0424 946 365 (or delegate)	Site Environmental Manager: <ul style="list-style-type: none"> • Site induction. • Staff training. • Oversee environmental management of the project. • Audit implementation and maintenance of environmental controls as detailed in the SEMP. • Manage rehabilitation and offsets program. • Monitor the site.

3.2 Legislative Requirements

The following legislation applies to the proposed development:

3.2.1 Relevant Legislation

Environmental Planning Legislation

Environmental Planning and Assessment Act, 1979 (NSW)

Conservation and Heritage Legislation

National Parks and Wildlife Act, 1974 (NSW)

Threatened Species Conservation Act, 1995 (NSW)

Environment Protection and Biodiversity Conservation Act, 1999 (Cwlth)

Pollution and Waste Management Legislation

Protection of the Environment Operations Act, 1997 (NSW)

4. Implementation

4.1 Emergency Response Contacts

The following key environmental emergency response contacts are provided as follows:

Key Environmental Emergency Response Contacts

Organisation	Emergency Phone	Non Emergency Phone
NSW Police	000	Jindabyne: 6456 2244
NSW Fire Brigade	000	Perisher: 6457 5037 Jindabyne: 6456 2476
NSW Ambulance	000	Perisher: 131 233
Medical Centres	Perisher (Winter Only): 6457 5266 Jindabyne: 6457 1221	
National Parks and Wildlife Service (NPWS)/DECCW	1800 629 104	Perisher: 6457 5214 Jindabyne 6450 5555
Roads and Traffic Authority	Traffic incidents & road conditions: 131 700 Road closures and special events: 132 701	
Environment Protection Authority Environment Line	131 555	
NRMA Road Service	Jindabyne: 6456 2170	

4.2 Environmental Training

All the contractors and staff involved with the works are to be made aware of the relevant requirements of this SEMP. Site induction is to be undertaken prior to the commencement of works by the Perisher Environmental Manager.

It is the responsibility of the Environmental Manager to ensure that all staff and subcontractors working on the site are provided with environmental training to achieve a level of awareness and competence appropriate to their assigned activities. Persons, including subcontractors' personnel, without appropriate environmental training should not be permitted to work on the site.

The Environmental Manager should establish and maintain a register of environmental training carried out including dates, names of persons trained and trainer details.

Site induction is to include:

- a) Environmental awareness, the principal of due diligence, and other relevant codes of practice.
- b) Specific environmental issues including:
 - *This SEMP*
 - *Relevant legislation (as identified in this Report)*
 - *Emergency preparedness/procedures*
 - *Incident reporting*
 - *Community consultation*
 - *Site environmental procedures*

4.3 Communication

4.3.1 External Stakeholders

Given the location and extent of the proposed works on the ski slopes, consultation is not considered necessary, outside of the regulatory authorities.

4.3.2 Liaison with EPA

The Project Manager must notify the EPA Regional Manager of pollution incidents on or around the site (or the EPA Pollution Line on telephone 131 555 should the incident occur outside normal EPA business hours), which have occurred in the course of the activities (to comply with the PEOA), in the following circumstances:

- if the actual or potential harm to the health or safety of human beings or ecosystems is not trivial,
- if actual or potential loss or property damage (including clean-up costs) associated with a pollution incident exceeds \$10,000.

The Project Manager should notify OEHL verbally within 2 hours and in writing within 24 hours of any pollution incidents that involve the EPA.

4.3.3 Complaints Register

Any complaints made by the community & other stakeholders shall be recorded on a complaints register managed by the Project Manager.

All complaints should be responded to within 24 hours of receipt.

4.4 Working Hours

As per the Department of Planning & Infrastructure standard condition of consent, the proposed working hours for the project will be between 7am and 6pm on Mondays to Saturdays with no work be carried out on Sundays or public holidays.

Should these hours need to be varied, the Project Manager will request a variation from the Department of Planning & Infrastructure in accordance with the conditions of consent.

4.5 Auditing

The Contractor and Site Supervisor in consultation with the Site Environmental Manager will both undertake an audit of the works to ensure the environmental safeguards and controls are being implemented effectively.