These tables set out the operational controls required to achieve the objectives and targets set out in Environmental Program 12 Weed and Pathogen Management.

Gunns will, as a minimum, implement the control activities and performance measures set out below.

Table OCO 12.1 Weed and Pathogen Management

Table OCO 12.1 Weed and Pathogen Management

Ref	Subject	Reference	Control Activity	Responsibility	Timing	Performance Measure	Audit Check
INDUCTION AND TRAINING							
1.	Design Consultant briefing	CEMP 10	The Design Consultants will be briefed on the design aspects of this Control Document	Design Director	Prior to start of design.	Briefing record	
2.	Project and site induction	CEMP 13	All employees, consultants and subcontractors involved will be inducted into the environmental aspects and controls related to this Control Document.	Construction Director or Project Manager, as applicable Start up Manager for Early Works	Prior to personnel commencing work on site	Induction records	
3.	Staff Construction Environmental Management Plan induction	CEMP 13	All relevant staff will be inducted into the requirements of the Construction Environmental Management Plan and all associated documents.	Construction Director or Project Manager, as applicable	Prior to staff commencing work on site	Induction records	

Ref	Subject	Reference	Control Activity	Responsibility	Timing	Performance Measure	Audit Check
4.	Awareness training	CEMP 13 CEMP 14	Conduct awareness instruction of relevant Gunns staff, contractors and field personnel. Objectives of Weed and Pathogen Management awareness training include: • Awareness of control measures, including those shown in Table 1 and Table 2. • Identification and management of weed infested and pathogen affected areas.	Project Manager	As per Training Plan	Training records	
5.	Briefings	CEMP 13 CEMP 14 LU1, Part 3, Sect 2, 2PC2.1, pg 76, (Seq pg 89) LU3, part 3, PC1.1, pg 35, (Seq pg 274) LU4, Part3, PC2.1, pg 36,(Seq pg 325)	Environmental briefings shall emphasize site-specific control requirements and interim *Phytophthora cinnamomi management guidelines* and *Tasmanian washdown guidelines for weed and disease control (machinery, vehicles and equipment*)	General Superintendent	Prior to working in a specific area	Record of Briefing. (eg SEP Briefing)	
DESIGN							
6.	Weed and pathogen affected areas shown on design drawings	LU1 2WD11.3 LU3 WD1.3 LU4 WD1.3	During the design phase, where the information is available, the design consultants shall show areas known to be infected by weeds or pathogens on design drawings.	Design Director	Design phase	Weed infested areas shown	
PRE-CONSTRUCTION							
7.	Weed identification and risk survey of construction areas	LU1 2WD11.3 LU3 WD1.3 LU4 WD1.3	A detailed survey of the each construction area will be undertaken to identify the presence and extent of declared weed species and to identify weed risk areas.	Environmental Manager	Prior to construction	Survey conducted	

Ref	Subject	Reference	Control Activity	Responsibility	Timing	Performance Measure	Audit Check
8.	*Phytophthora* identification and risk survey	LU1, Part 3, Sect 2, 2PC1.1, pg 75, (Seq pg 88) LU3, Part 3, PC1.1, pg 35, (Seq pg 274) LU4, Part 3, PC1.1, pg 36, (Seq pg 325)	A detailed survey of each construction area will be undertaken to identify evidence of *Phytophthora* infection and to identify infection risk areas.	Environmental Manager	Prior to construction	Survey conducted	
9.	*Phytophthora* management plan for construction areas	CL1, 10, pg 4, (Seq pg 374) CL1A, 10, pg 4, (Seq pg 378) CL2, 10, pg 4, (Seq pg 382) CL2A, 10, pg 4, (Seq pg 386) CL3, 10, pg 4, (Seq pg 390) CL4,10, pg 4, (Seq pg 394) EPBC 24 TS1 32 LU1 PC4.2 LU3 PC4.2 LU4 PC4.2	A *Phytophthora* Management Plan will be prepared identifying and prioritising known locations of *Phytophthora cinnamomi* associated with the pipeline easement and other construction sites, vegetation communities and threatened species at risk and the location and type of hygiene controls required including wash-down locations. Threatened species to be specifically considered include *Hibbertia virgata*, *Pultenaea mollis*, *Xanthorrhoea arenaria* and *Xanthorrhoea bracteata*.	Environmental Manager	Prior to construction	Plans prepared	
10.	Weed and pathogen hygiene inspection form	Project Requirement	For activities and areas where a *Phytophthora* and/or weed risk assessment has identified the need for hygiene measures, a Weed & Pathogen Hygiene Inspection Form will be completed for each vehicle, machine and item of equipment transported for use onto the construction easement. The use of this form will be independently assessed and audited. The form is shown in Attachment 1.	General Superintendent	Prior to entering construction site	Cleanliness certification records	

Ref	Subject	Reference	Control Activity	Responsibility	Timing	Performance Measure	Audit Check
11.	Equipment moving from and to offshore of Tasmania	Project Requirement	All equipment brought into Tasmania or taken out of Tasmania for or after construction work will be subject to external (3rd party) inspection and certification using the form in Attachment 1. For equipment coming to Tasmania, the inspection will be undertaken prior to leaving its place of origin. For equipment leaving Tasmania, the inspection will be undertaken prior to leaving Tasmania. Equipment will only be transported after certification.	General Superintendent	Prior to entering or leaving Tasmania	Cleanliness certification records	
12.	Green tags and stickers	Project Requirement	For activities and areas where a *Phytophthora* and/or weed risk assessment has identified the need for hygiene measures, a green tag and sticker system will be implemented to ensure that all equipment subject to washdown requirements is issued with a green tag or sticker that is to be clearly displayed on the equipment. Only equipment issued with this sticker will be allowed access to the construction easement on arrival at the project.	General Superintendent	Prior to entering construction site	Inspection records	
13.	Washdown register	Project Requirement	For activities and areas where a *Phytophthora* and/or weed risk assessment has identified the need for hygiene measures, a washdown register for recording vehicle movements through washdown stations will be implemented	General Superintendent	Prior to construction	Register implemented	

Ref	Subject	Reference	Control Activity	Responsibility	Timing	Performance Measure	Audit Check
14.	Materials certification	LU1, Part 3, Sect 2, 2PC3.1, pg 76, (Seq pg 89) LU3, Part 3, PC3.1, pg 35, (Seq pg 274) LU4, Part 3, PC3.1, pg 36, (Seq pg 325)	For activities and areas where a *Phytophthora* and/or risk assessment has identified the need for hygiene measures, imported fill, gravels, seedlings etc will be inspected and subject to a strict inspection and certification process. Form completion will be required for the imported materials similar to the importation of construction equipment. The source of materials will also be inspected including the catchment discharge surrounding the materials source site. The form is shown in Attachment 2.	General Superintendent	Prior to entering construction site	Certification records	

Ref	Subject	Reference	Control Activity	Responsibility	Timing	Performance Measure	Audit Check
15.	Weed management strategy on site-by-site basis	LU1 2WD11.3 LU3 WD1.3 LU4 WD1.3	The most appropriate Weed Management Strategy/plan for minimising and controlling weed spread will be determined on a site-by-site basis, based on the construction area survey and risk assessment. Actions for weed control will follow recommendations from DPIW or follow standard techniques. Weed species identified with high risk potential will have site specific mitigation and control measures developed. Site Weed Management Strategies may employ some of the following measures depending upon the prevailing risks: All tracked plant and rubber-tyred vehicles shall be washed to ensure that all dirt is removed (from the underside of plant, tracks, buckets, blades, tyres, mudguards, suspension, differentials, etc.) before moving out of a high weed risk area or before being moved to work adjacent to an area of sensitivity (such as a native vegetation area). During dry conditions, rubber-tyred vehicles may pass from the high weed risk areas to non-weed infected areas without being washed (unless specified for control of a weed species) but they should be inspected for plant debris, which should be removed if present. All other equipment, tools, boots and any other item with adhering dirt shall be cleaned before being moved from a high weed risk area to a sensitive area.	Environmental Manager	Ongoing	Site Weed Management Strategy prepared	

Ref	Subject	Reference	Control Activity	Responsibility	Timing	Performance Measure	Audit Check
16.	Pathogen management strategy on site-by-site basis	Project Requirement	The most appropriate Pathogen Management Strategy for minimising and controlling pathogen spread will be determined on a site-by-site basis, based on a specific risk assessment. Management measures will be described in relevant SEPs.	Environmental Manager	Ongoing	Site specific strategies	
17.	Weed and pathogen zones to be marked in SEPs	Project Requirement	Identified weed infested and pathogen zones shall be clearly marked on the relevant Site Environmental Plans as they are developed. When a Site Weed Management Strategy and/or Site Pathogen Management Strategy is required and is prepared, it will be noted on the SEP.	Environmental Manager	Development of SEPs	Site Environmental Plans	
18.	Quarry products to come from weed and disease free sources	LU1, Part 3, Sect 2, 2PC3.1, pg 76, (Seq pg 89) LU3, Part 3, PC3.1, pg 35, (Seq pg 274) LU4, Part 3, PC3.1, pg 36, (Seq pg 325)	All quarry products shall be sourced from weed free sites. All sources of quarry products shall be confirmed as free from infection by *Phytopthora cinnamomi* prior to use of products on site.	Procurement Manager	Prior to procurement of quarry products	Lab analysis report	
CONSTRUCTION							
19.	All earthmoving equipment to be cleaned prior to transport to site	Project Requirement	All earthmoving equipment to be transported to site shall be washed or cleaned at the last place of use to remove soil deposits adhering to tyres, tracks, mudguards, suspension, differentials, buckets etc., prior to being loaded and transported to site. Mud and grass seeds will be removed from interior mats and footrests.	General Superintendent	Prior to arriving on site	Clean vehicles arriving on site	
20.	All earthmoving equipment to be certified prior to transport to site	Project Requirement	All equipment must be cleaned and certified as clean by the Contractor before commencing work. Certification requirements are described in Table 2.	General Superintendent	Ongoing	Clean vehicles arriving on site	

Ref	Subject	Reference	Control Activity	Responsibility	Timing	Performance Measure	Audit Check
21.	Wash down supervisor	Project Requirement	For activities and areas where a *Phytophthora* and/or weed risk assessment has identified the need for hygiene measures, for each work zone (determined by the site-specific weed and hygiene requirements) there will be a designated wash down supervisor who will be responsible for enforcing and documenting wash down procedures and ensuring that vehicles are appropriately cleaned and certified.	General Superintendent	Ongoing	Identified supervisor	
22.	Vehicle stickers	Project Requirement	Certified vehicles will be given a sticker/tag to ensure that certification is clearly visible from the exterior of a vehicle.	General Superintendent	Ongoing	Cleaned vehicles marked	
23.	Personal hygiene	Project Requirement	During wash down, all personnel will undertake personal hygiene measures to remove mud, weed seeds and propagules. This includes shaking foot mats, sweeping the vehicle cabin with brooms provided at the bays, and inspecting personal clothing (particularly boots and socks).	General Superintendent	Ongoing	Clean personnel	
24.	Minimise disturbance	Project Requirement	Keep disturbance to a minimum	General Superintendent	Ongoing	Size of disturbed area	
25.	Minimise exposure time	Project Requirement	Minimise the risk of weed establishment, clear surface vegetation immediately prior to construction activities to ensure that the ground surface is exposed for the least possible time during the construction activity.	General Superintendent	Ongoing	Inspection records	
26.	Retain vegetation where practical	Project Requirement	Where practicable, topsoil, grasses and root material of larger plants will be retained even if they are to be subject to some compaction. Areas subject to heavier compaction from repeated vehicle movement will be cleared.	General Superintendent	Ongoing	Inspection records	

Ref	Subject	Reference	Control Activity	Responsibility	Timing	Performance Measure	Audit Check
27.	Avoid going outside construction area	Project Requirement	All vehicles and personnel are to remain strictly within the construction easement and only enter and exit the easement from designated access tracks and roads. No shortcuts across paddocks will be taken, as this may spread weeds and animal diseases	General Superintendent	Ongoing	Inspection records	
28.	Implement weed management strategy	Project Requirement	For sites that have a Site Weed Management Strategy, implement the strategy, as detailed on the Site Environmental Plan.	General Superintendent	Ongoing	Site Weed Management Strategy implemented	
29.	Stockpile and reuse topsoil in area of origin	Project Requirement	As a general principle to minimise the risk of weed spread, topsoil will be stockpiled and reused in the area it came from.	General Superintendent	Ongoing	Infected soil not spread	
30.	Stockpile weed-infected topsoil away from native vegetation areas	Project Requirement	Where topsoil known contaminated with weed seed is removed, it shall be stockpiled in areas that contain no native vegetation and protected from erosion so as not to increase the risk of weed seed spread.	General Superintendent	Ongoing	Stockpiles properly located	
31.	Spray or plant cover crop on weed-infested topsoil stockpiles	Project Requirement	Topsoil stockpiles shall be allowed to grass over naturally to aid in their stabilisation. However, if weeds become a problem, stockpiles shall be sprayed with an appropriate herbicide or planted with sterile grass, as required. These measures should be conducted in a manner that minimises potential adverse impacts on threatened flora.	General Superintendent	Ongoing	Weeds sprayed as required	
32.	Prompt revegetation	Project Requirement	Prompt revegetation of disturbed areas with a competitive pasture seed will be undertaken to minimise weed invasion in agricultural areas, particularly in areas of known weed infestation. Similarly, promptness in establishing native vegetation will also be targeted.	General Superintendent	Ongoing	Revegetation timing	

Ref	Subject	Reference	Control Activity	Responsibility	Timing	Performance Measure	Audit Check
33.	Vehicles and plants to stay on designated routes	Project Requirement	All vehicles and plant shall stay on approved access tracks and haul roads to minimise the risk of weed spread.	General Superintendent	Ongoing	Vehicles staying to tracks and roads	
34.	Contractor certification	Project Requirement	Weed control contractors must hold appropriate State based certification for the application of herbicides.	General Superintendent	Ongoing	Certification records	
35.	Land access for spraying	Project Requirement	Weed control contractors will be required to gain permission to access each landowner's property and to ensure that weed spraying equipment is washed down between jobs.	General Superintendent	Ongoing	Landowner permissions	
36.	Only non-residual herbicides	Project Requirement	Only non-residual herbicides will be used unless it is the recommended control method, appropriate for the site. Only herbicides registered for the particular use or environment will be used. Land owners will be consulted prior to the use of a herbicide.	General Superintendent	Ongoing	Herbicide use records	
37.	Herbicide use near water	Project Requirement	Around drains/ponds and near watercourses, an aquatic organism safe herbicide registered for use in aquatic environments should be used on weeds to minimise impact on aquatic species.	General Superintendent	Ongoing	Herbicide use records	
38.	Herbicide application timing	Project Requirement	Herbicide will be applied based on the manufacturer's recommendation and on label specifications at the most appropriate time of year for each species, which will be the growing season (in most cases spring-early summer).	General Superintendent	Ongoing	Herbicide use records	

Ref	Subject	Reference	Control Activity	Responsibility	Timing	Performance Measure	Audit Check
39.	Herbicide application near orchards and vineyards	Project Requirement	Herbicide application adjacent to orchards and vineyards will be controlled within a limited window of opportunity. Easements passing adjacent to these properties will be identified and a separate weed control strategy planned in consultation with the Chemical Management Branch – Biosecurity and Product Integrity Division of DPIW, with no herbicide application in the vicinity of a vineyard after the first week in September up until April.	General Superintendent	Ongoing	Herbicide use records	
40.	Herbicide dye marker	Project Requirement	Herbicides should be applied with an accompanying spray marker dye to assist with recognition of treated areas.	General Superintendent	Ongoing	Herbicide use records	
41.	Annual weeds in native areas	Project Requirement	Some annual weeds may initially establish in native areas. Established populations will be monitored and corrective action implemented if necessary. For example, if native plant species fail to out-compete weed species then an appropriate weed control program will be established. The program will minimise impacts on threatened flora to the extent practicable.	Environmental Manager	Ongoing	Inspection records	

INCIDENTS							
42.	Potential environmental harm	CEMP incident response procedures	Class 1: *An actual adverse effect on the health or safety of human beings that is of a high impact or on a wide scale; an actual adverse effect on the environment that is of a high impact or on a wide scale; an actual loss or property damage of an amount, or amounts in aggregate, exceeding ten times the threshold amount ($5,000); an environmental nuisance of a high impact or on a wide scale; an actual adverse effect on the health or safety of human beings that is not negligible; an actual adverse effect on the environment that is not negligible* - cease relevant activities across all sites until the problem is fully understood and rectified; follow incident response procedures Class 2: *The emission of a pollutant that unreasonably interferes with, or is likely to unreasonably interfere with, a person's enjoyment of the environment; any emission specified in an environment protection policy to be an environmental nuisance; an actual loss or property damage of an amount, or amounts in aggregate, exceeding the threshold amount ($5,000)* - cease relevant activities at the site of occurrence until the problem is rectified; follow incident response procedures	Environmental Manager	Ongoing	Incident response records	

43.	Potential permit breach	CEMP incident response procedures	Class A: *A permit condition has been breached and either the environmental consequences are significant or the breach is due to a wilful or negligent failure to attempt to satisfy the condition* – cease relevant activities across all sites until the problem is fully understood and rectified; follow incident response procedures Class B: *A permit condition has been technically breached but the intent of the condition has been or will be achieved and environmental consequences of the breach are not significant* – cease relevant activities at the site of occurrence until the problem rectified; follow incident response procedures Class C: *Compliance with the permit has been raised as an issue but the intent and requirements established by the permit condition have been met* – examine the significance and potential for corrective action; follow incident response procedures	Environmental Manager	Ongoing	Incident response records	
44.	Phytophthora outbreak control	LU1, Part 3, Sect 2, 2PC4.2, pg 76, (Seq pg 89) LU3, Part 3, PC4.2, pg 35, (Seq pg 274) LU4, Part 3, PC4.2, pg 36, (Seq pg 325)	The initial response will be to close access to the infected area by use of structural barriers and signage. Advice will then be sought from Phytophthora experts for additional measures. The impact of the outbreak and effectiveness of control measures on native vegetation will be monitored through survey and reporting.	Environmental Manager	Outbreak event	Access control effectiveness	
45.	Weed and disease outbreak control	LU1 2WD 1.3 LU3 WD1.3 LU4 WD1.3	Control measures for weed and disease outbreaks will be developed on a site specific basis and with advice from relevant agencies/experts. Management measures may include, but not limited to, restricting access, spraying and physical removal. The impact of the outbreak and effectiveness of control measures on native vegetation will be monitored through survey and reporting.	Environmental Manager	Outbreak event	Access control effectiveness	

EVALUATING PERFORMANCE							
46.	Inspections	CEMP 16	Inspect the condition of protection and control measures and arrange maintenance, as required.	Site Environmental Officer	Daily	Weekly Checklist	
47.	2nd party audits	Project Requirement	Regular auditing of the hygiene inspection forms and green tag process will be conducted by Gunns environmental inspectors (2nd party audits).	Environmental Manager	As per audit schedule	Audit Records	
48.	3rd party audits	Project Requirement	3rd party audits of both the primary processes and 2nd party audits will be conducted to ensure the effectiveness of the hygiene system.	Environmental Manager	As per audit schedule	Audit Records	
49.	Reporting	CEMP 17	Report on the implementation of this OCO in the environmental section of the monthly Project Report.	Environmental Manager	Ongoing	Monthly Report	
50.	Assess monitoring results	CEMP19	Evaluate and assess monitoring results against specified targets	Environmental Manager	Ongoing	Reports	
51.	Corrective action	CEMP 19	Take corrective action, where required	Project Manager	As required	Action taken	

Table 1: Awareness training inclusions

Subject	Guidance
Species	A summary of the weed species and pathogens and their occurrence
Photos	Images or samples of the major declared weed species including *Phytophthora cinnamomi* in grass tree populations
Risk	The importance of remaining within the easement and on designated access roads and tracks during construction
Responsibilities	Emphasis on the importance of weed management practices and the roles and responsibilities of different people including surveyors, construction personnel, and associated project personnel including inspectors, particularly with regards to the *Weed Management Act 1999*
Feedback	Encouragement for participants to provide feedback regarding the effectiveness of the weed - animal disease and wash down systems and alert management to any problems or potential problems
Procedures	Advice to all construction personnel in weed and animal disease control, and correct vehicle and equipment wash down procedures

Table 2: Equipment cleaning for certification

Subject	Guidance
Basis	Interim *Phytophthora cinnamomi management guidelines* and *Tasmanian washdown guidelines for weed and disease control (machinery, vehicles and equipment*)
Intent	Cleaning procedures should remove all soil and organic matter from the surface of vehicles, equipment and portable infrastructure.
Wash down facility	A long-term vehicle wash down facility should consist of a holding pit dug into the ground over which a steel grate has been built. An overflow drainage system should be designed into the facility as follows: ◗ A 40 mm pipe placed underneath the support beams ◗ The end of the drainage pipe should be covered with a sock/filter system to collect coarse seed and soil particles ◗ The grate should be supported by steel support beams and constructed of steel battens ◗ It needs to be structurally sound and of adequate size to contain/support large and heavy construction machinery
Wash down media	Temporary washdown is to be facilitated via the use of high pressure water/steam or air. High pressure air cleaners are recommended when site conditions are dry. Water/steam should only be used when site conditions are already wet or air cleaning is not satisfactorily removing soil and plant material.
Clean inside and out	All construction personnel should thoroughly clean their vehicles regularly both inside and out. Cleaning should ensure that all mud and vegetative material is cleaned from the undercarriage, running gear and around wheel arches of the vehicle, and front and rear bumpers and windscreen wipers. Mud and grass seeds should be removed from interior mats and footrests.
Disinfection	A chemical such as Phytoclean should be used to disinfect potentially contaminated vehicles and machinery. Vehicle baths or spray packs for the application of disease control agents may be required.
Inspections	Inspections should be undertaken at the same time as the initial safety inspection and clean vehicles should be issued with confirming certification.
Certified	All vehicles must be certified and registered as clean before being permitted access to the easement construction zone. Certified vehicles utilising constructed roads that have not passed through bare soil areas will not require wash down.
Wash and control points	Washdown and hygiene control points should be identified based on the weeds present, the vegetation type (native, exotic pasture) and the sensitivity to certain pathogens (*Phytophthora cinnamaomi*).
Certification system	A certification system for managing and monitoring the implementation of hygiene and washdown requirements will be developed. This will follow the identification of washdown areas based on weed and disease surveys to be conducted prior to construction. The system will entail the use of guidelines outlining specific hygiene requirements for specific infested areas, a washdown register to record machinery and vehicle movements, and colour coded stickers to assist in the identification of vehicles and machinery involved.
Pre and post construction	Preconstruction hygiene and during/post construction hygiene measures will be managed separately. Specific forms for both stages will be developed to manage and record hygiene and washdown requirements. Hygiene Form A will cover preconstruction hygiene and Hygiene Form B will cover hygiene during construction.
Emergencies (eg. fire fighting)	To the extent practicable, these measures should also be applied during emergencies such as fire fighting but only to the extent that urgency and safety considerations allow. Where there is a significant fire risk and a significant risk to vegetation from *Phytophthora cinnamomi*, a fire plan should be prepared to plan for low risk fire fighting eg fuel management to prevent the need of emergency use of machinery around *P. cinnamomi* susceptible threatened grasstree populations.

Steam cleaned excavator tracks prior to transportation to work site

Portable high pressure water washdown of machinery

Portable high pressure water washdown of machinery

Long term washdown bay

Definitions

Hygiene – is the practice of the promotion and maintenance of healthy disease, weed and pest free conditions

Pathogen (Disease) – is a transmissible virus, bacteria or fungus that may affect plants or animals, ultimately to the detriment of the host or to economic value. Disease transmission may result from contaminated soil migration or from interaction between affected and healthy plants/animals (e.g. *Phytophthora cinnamomi*, Ovine Johne's disease)

Weed – a plant that has, or has the potential to have, a detrimental effect on economic, social or conservation values (e.g. serrated tussock, gorse etc.) and includes, but not necessarily limited to all plants listed as declared Weeds under the *Weed Management Act 1999* and Weeds of National Significance (WONS).

Revision Status

Revision	Date	Revision Description	Prepared	Reviewed	Approved
A0	7 April 2007	Issued for BBA review	IW		
A1	9 May 2007	Draft for DTAE review	IW		
B0	22 October 2007	Revised for submission to DTAE following auditor's comments	IW	JD	JC
B2	7 Jan 2008	Revised following DTAE comment	IW	JD	JC
B3	18 Jan 2008	Revised following DPIW comments	YE		
B4	29 January 2008	Revised following DPIW comments	SW	JD	CF
B5	7 August 2009	Revised to reflect early works	IW	CD	CD
C0	11 August 2009	Revised to clarify weed provisions	IW	CD	CD

Attachment 1

Weed and Pathogen Hygiene Inspection Form

Bell Bay Alliance – Weed & Pathogen Hygiene Inspection Form			
Vehicle/equipment Details			
Type	□ Excavator □ Dump Truck □ Light Vehicle □ Dozer □ Truck □ Trailer □ Loader □ Forklift □ Back hoe □ Crane □ Mulcher □ Tractor □ Agricultural attachments □ Motorbike □ Other (specify):		
Make (eg Toyota Hilux, 80 T Truck)		**Registration / ID Number**	
Current location: i.e. wash-down bay or storage site location (suburb, city, state)		**Ultimate destination:** i.e. next work site (region, suburb, city/town, state etc.)	
DETAILS of previous history			
Last worksite location & weed species encountered at last job site			
Provide specific details of machine's work history i.e. trenching, road grading, forest operations, etc…			
Hygiene systems employed at last job site (e.g. CEMP requirements etc.) If none then list 'none'			
Method of transport (float, driven etc.) Between last project and current location and proposed method to next job			

HYGIENE CHECKLIST		
General Area	**Specific Item**	**How Cleaned**
	Tick relevant boxes, place a cross through irrelevant boxes and add any additional information	**Vacuum, high pressure water, standard pressure water, chemical disinfectant (list chemical name), or other? Provide details**
Vehicle Interior & Boot	□ Footwells/torn seats □ Carpet/mats □ Tool box □ Boot □ Spare tyre □ Trailer pin plugs □ Tow hitch □ Rear bumpers □ Air conditioner filter	
Engine Bay	□ Radiator, grill & fan □ Glacier plate □ Gear box (top) □ Under batteries □ Recess under windscreen wipers □ Inside wheel arches □ Inside bonnet skins □ Air filter bowls & air cleaners □ Void spaces between oil & radiator core, engine & gear box □ Behind/under removable fuel cells	
Underside/ Chassis	□ Wheel arches, trims, flares, bumpers □ Idler wheels □ Under all guards & flares □ Behind tyre rims, tyre guards, tyre cuts/gashes □ Dust dishes □ Turn tables □ Fuel tanks (on top) □ Axels/ differentials □ Ute trays □ Under chassis rails and channels □ Mounting brackets □ Spring hangers (above) & between spring leafs □ Inside tracks/track frames □ Hydraulic cover plates □ Belly plates □ Between Dual Wheels □ Rear plates □ Hollow section chassis channels	
Attachments	□ Buckets, blades, scoops, carry-all, tines □ Truncation arms □ Cutting teeth □ Counterweights □ Pivot point/adaptors at rear of front blade □ Stabilizer/rear wear plates □ Cages □ Loader Canopy □ Hydraulic arms □ Articulation points □ Blade trunction arms □ Ripper support frame □ Tine springs □ Hollow frame sections □ Inside rims of pneumatic tyres	

HYGIENE CHECKLIST		
Miscellaneous Items		
Hand tools	□ Digging tools □ Power/small engine tools □ Maintenance tools (and boxes) □ Others (specify)	
Construction & Revegetation Materials / Supplies	□ Rock □ Gravel □ Topsoil □ Exotic seed – certified? □ Guards, stakes, weed mats – recycled? □ Fencing materials □ Tubestock – obvious weeds removed before planting? □ Other (specify)	
Clothing	Seed and soil etc… are easily transported on footwear, trousers, socks etc…	

I …….. have carried out the checklist inspection, performed cleaning as required

(Print name)

Signature		**Date**	
Company		**Position**	

Supervisor (2nd party) inspection:

I …….. have witnessed and/or inspected the cleaning as required

(Print name)

Signature		**Date**	
Company		**Position**	

External (3nd party) inspection (if applicable*):

I …….. have witnessed and/or inspected the cleaning as required

(Print name)

Inspector Name		**Telephone/Mobile**	
Inspection date & time		**Inspection location**	

*As part of an audit or for equipment to be transported to Tasmania from offshore or from Tasmania to offshore

Attachment 2

Weed and Pathogen Hygiene Certification Form

Bell Bay Alliance – Weed & Pathogen Hygiene Certification Form					
Objective To minimise risk and prevent the spread of *reproductive material* (any part of the plant/pathogen that is capable of reproduction including seed, stem or leaf cutting, whole plant and or pathogenic material) of *declared weeds or disease* during the transportation of machinery and equipment from one location (origin) to another (destination).					
Purpose of this form **This form confirms that** • a vehicle/equipment/machinery that is proposed to be used at the destination location is clean prior to entry • this vehicle/equipment/machinery does not spread the reproductive material of weeds.					
When is this form filled out? **This form must be filled out** • for all plant/equipment and machinery that potentially contacted weed /pathogenic agents and can lead to the transport or introduction of weeds / pathogens to uninfected sites; • as checklist inspection and cleaning is being carried out (vacuuming, washing, chemical disinfection etc.) by the individual conducting the cleaning • prior to inspection by an approved second or third party inspector, e.g. client's environmental officer, DPIW inspector or employee of relevant government department.					
Type	□ **Excavator**	□ **Dump Truck**	□ **Light Vehicle**	□ **Dozer**	□ **Truck**
	□ **Trailer**	□ **Loader**	□ **Forklift**	□ **Back hoe**	
	□ **Crane**	□ **Mulcher**	□ **Tractor**	□ **Agricultural attachments**	
	□ **Motorbike**	□ **Other (specify):**			
Make (eg Toyota Hilux, 80 T Truck)		**Registration / ID Number**			

I …….. have carried out the checklist inspection, performed cleaning as required

(Print name)

Signature		**Date**	
Company		**Position**	

Supervisor (2nd party) or external* (3rd party) certification:

I …….. have witnessed and/or inspected the cleaning and certify that the equipment has been cleaned as required

(Print name)

Signature		**Date**	
Company		**Position**	

*For equipment to be transported to Tasmania from offshore or from Tasmania to offshore