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**Woodlawn Wind Farm
Construction**
Compliance Report

Woodlawn Wind Pty Ltd

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Review of Compliance against elements of the CEMP

1. Introduction

1.1 Background

On 4 October 2005 the Minister for Planning granted conditional consent to development application DA-250-10-2004-i, being for the construction and operation of the Woodlawn Wind Farm, as amended by subsequent Modifications of Consent: MOD1 dated 12 May 2010; MOD2 dated 13 July 2010; and MOD3 dated 29 October 2010.

1.2 Purpose of this Report

Aurecon has been commissioned by Woodlawn Wind Pty Ltd to prepare this Construction Compliance Report (CCR) for the first six months of construction of the Woodlawn Wind Farm. The CCR has been prepared and submitted in accordance with Conditions of Consent (CoC) Nos 7 & 10 for the Woodlawn Wind Farm and covers the period from September 2010 to March 2011.

CoC No. 10 identifies the following factors that must be addressed in the CCR and states:

- "10 The Applicant must provide the Director General with a Construction Compliance Report within six weeks of the end of the first six months of construction (or at any other time interval agreed to by the Director General). The Environmental Representative must certify the adequacy of the report before it is submitted to the Director General. The Construction Compliance Report must be made publicly available and include:*
- (a) information on compliance with the CEMP and the Conditions of Consent;*
 - (b) information on compliance with any approvals or licences issued by Relevant Government Agencies for Construction;*
 - (c) information on the implementation and effectiveness of environmental controls. The assessment of effectiveness should be based on a comparison of actual impacts against performance criteria identified in the CEMP;*
 - (d) a summary and analysis of environmental monitoring results;*
 - (e) the number and details of any complaints, including a summary of the main areas of complaint, action taken, response given and intended strategies to reduce recurring complaints;*
 - (f) details of any review and amendments to the CEMP resulting from Construction during the reporting period; and*
 - (g) any other matter relating to compliance with the Conditions of Consent or as requested by the Director General.*

This CCR is submitted to the Director General in order to meet particular requirements of CoC No. 7 which states:

- "7 The Director General may require update report(s) on compliance with all, or any part, of the Conditions of Consent. The report(s) must meet the requirements of the Director General and be submitted within such period as the Director General may require."*

1.3 Project Description

Woodlawn Wind Pty Ltd has awarded a contract to Suzlon Energy Australia (SEA) for the design, construction, commissioning and maintenance of the Woodlawn Wind Farm. In addition, Civil & Allied Technical Construction Pty Ltd (CATCON) is responsible for all civil works incorporating erosion and

sediment control measures for the project. The site is located approximately midway between Goulburn and Canberra on the Great Dividing Range, within the Southern Tablelands of NSW. The project area extends from the wind farm site in the north to the Capital Wind Farm substation in the south. The nearest township is Tarago, located about seven kilometres east of the wind farm site.

The 23 Wind Turbine Generators (WTGs) are distributed along the ridgeline which forms a catchment divide between the Wollondilly River catchment to the east and the Lake George catchment to the west.

1.4 Construction Summary

Specific project works of the Woodlawn Wind Farm include:

- site access tracks from Collector Road (northern and southern access routes);
- set-up of temporary site offices and facilities;
- temporary and permanent 80 m high meteorological masts;
- access tracks, hardstands, site entry and exit point works, and associated soil and water management structures;
- 23 x Suzlon S88 2.1 MW WTGs and external kiosk type generator transformers;
- 33 kV underground electrical cables between wind turbines;
- 12 km double circuit 33 kV overhead transmission line from the Woodlawn Wind Farm site to the Capital Wind Farm substation;
- upgrading of Capital Wind Farm substation; and
- upgrading of the access track to Capital Wind Farm substation from Bungendore Road.

Construction activities are being staged between the geographically separate areas of the site. This is required due to the heavy plant interfaces such as cranes with civil construction works.

Construction commenced in the last week of September 2010. A summary of the construction works undertaken within the first six months is as follows:

Wind Farm Site

- establish site compound;
- establish two site lay down areas;
- substation earthworks;
- access roads;
- 23 x hardstand areas;
- concreted tower footings;
- underground cable trenching;
- formation of one borrow pit;
- erection of 2 x complete WTGs and 10 x initial turbine tower sections; and
- erection of 2 temporary and 2 permanent meteorological masts.

33 kV Overhead Transmission Line from Woodlawn Wind Farm to Capital Wind Farm

- gates along line route installed;
- all poles dressed and installed; and
- stringing of cable in progress. Line stringing across Taylors Creek Road complete.

Capital Wind Farm Substation Upgrade

- temporary lay down area is in place;
- main transformer has been installed;
- footings for other substation equipment are complete;
- cabling of transformer is in progress;
- operations & maintenance building is being constructed; and
- switchroom is being installed.

2. Methodology

This CCR has been prepared based on the following methodology.

2.1 Review of Project Documentation

The following documents relating to construction of the Woodlawn Wind Farm were reviewed with construction compliance issues identified:

- Conditions of Consent (Initial consent of 4 October 2005);
- Modification of Minister's Consent (MOD1 dated 12 May 2010);
- Modification of Minister's Consent (MOD2 dated 13 July 2010);
- Modification of Minister's Consent (MOD3 dated 29 October 2010);
- Woodlawn Wind Farm CEMP;
- Monitoring records;
- Checklists;
- Complaints registers, including action taken and follow-up activities if required; and
- Permits (eg RTA, out of hours consents).

To assist in determining compliance with the issues identified in the documents listed above, a sample of monitoring records, checklists and the complaints register were inspected at the construction site office at the time of the site inspection audit.

2.2 Site Inspection

A site inspection was undertaken on Wednesday 30 March 2011 by Lucy Baker (Aurecon Environmental Engineer) and Anthony Ko (Aurecon Environmental Scientist), Wendy Moloney (Woodlawn Wind Pty Ltd Construction Contracts Administration) and Tom Best (Woodlawn Wind Pty Ltd Owner's Engineer). The weather conditions on the day were fine with moderate wind conditions.

2.3 Audit with on-site Personnel

The opening of the audit was undertaken on Wednesday 30 March 2011 with:

- Clive Londt (SEA Site Manager);
- Peter Firms (SEA HSEC Coordinator);
- Tom Best (Woodlawn Wind Pty Ltd Owner's Engineer); and
- Neil Raffan (Woodlawn Wind Pty Ltd Project Manager).

The audit closed on Thursday 31 March 2011 with:

- Clive Londt (SEA Site manager);
- Neil Raffan (Woodlawn Wind Pty Ltd Project Manager); and
- Tom Best (Woodlawn Wind Pty Ltd Owner's Engineer).

Throughout the audit, other site personnel such as Dale Wiessner (SEA Civil Manager) and Tyrie Starrs (NGH Environmental Pty Ltd, the Subcontractor working for CATCON Environmental Officer) were also interviewed.

3. Construction Compliance

3.1 CEMP and Conditions of Consent

This section provides information on the compliance with the CEMP, including all sub-plans, and CoC No 10 (a) and (c). For each issue identified in the CEMP or CoC, the following information (where applicable) is presented in Appendix A:

- Item number;
- Reference – section and page number of CEMP or CoC where relevant;
- Aspect – for example construction hours, air quality;
- Compliance issue – brief description given;
- Responsibility – identifies accountable personnel;
- Target and completion dates;
- Status – complies / partially complies / non-compliant; and
- Comment – any relevant matters relating to compliance.

The audit found that the site was compliant with CoC No 10 (a) and (c), with some opportunities for improvement also identified.

4. Compliance with any approvals or licenses

This section provides information on the compliance of CoC No. 10 (b). The following approvals were granted within the construction period from the Department of Planning concerning out of hours work and conditional usage of roads surrounding the project area. These include:

- Out of hours – Vacuuming, Oil Filling and Filtering for the Substation dated: 11/02/2011
- Out of hours – Concrete Pour dated: 31/01/2011
- Out of hours – Concrete Pour Substation dated: 05/11/2010
- Conditional Use of Taylors Creek Road dated: 22/11/2010

There was no approval or licences register on site and the approvals or licences were not available on site. While there is mention of relevant licences and permits being obtained in the Consultation Register, the introduction of an approvals or licences register on site is recommended as this was found to be lacking during the site inspection.

The audit found that the site was compliant with CoC No 10 (b), with some opportunities for improvement also identified.

5. Environmental monitoring

This section provides information on the compliance of CoC No. 10 (d). A summary of the environmental monitoring that has been undertaken for the Project is provided below.

5.1 Daily visual inspections

SEA's Health Safety & Environment Coordinator and CATCON's Environment Officer indicated that they undertake daily visual inspections of erosion and sedimentation devices, however, this process is not documented.

5.2 Environmental inspections

SEA Fortnightly Environmental Inspections

SEA's Health Safety & Environment Coordinator has conducted fortnightly site inspections since September 2010. Key activities included visually inspecting the area for evidence of erosion and evaluating the effectiveness of sediment and erosion control measures. Site inspections were often conducted with a representative from CATCON or SEA.

Fortnightly inspections utilising the Site Environmental Compliance Checksheet (included as Appendix D of the CEMP) have been documented thoroughly. However there was no evidence of when or by whom identified issues had been closed out. It is suggested that an extra column be added to the checksheet that reads "Complete – Sign and Date". In the column of responsibility it would be beneficial to add in the name or at least the position responsible for closing out the identified issues.

CATCON Weekly Environmental Inspections

Areas were sketched and inspected by the CATCON Environment Officer to assist in the preparation of indicative site specific Erosion Sediment Control Plans. Formal visual inspections by CATCON's Environmental Officer are undertaken at least once per week and as soon as possible after rainfall events of >10mm, with weekly records maintained via CATCON Form EF-06 environmental inspection.

Weekly inspections utilising the CATCON Environmental Checksheet EF-06 have been undertaken during the construction phase to date. With additional inspections following rainfall events also sighted.

Close out procedures for issues listed in the environmental checksheet requires improvement, with no evidence of the responsible parties signing and dating the completion of an action once the issue has been addressed.

Other comments:

- Progressive rehabilitation with top soiling and seeding as soon as earthworks are completed has been observed during the site inspection for the southern string of the project.

5.3 Noise monitoring

Noise monitoring at a neighbouring residence commenced in March 2011 and is still being undertaken by an Aurecon Acoustic Engineer. A noise logger has been set up approximately 2.5 km south of the southern string of WTGs, which is proximate to sensitive receivers. Monitoring is ongoing and analysis of results was not completed at the time of the audit.

This complies with the monitoring responsibilities outlined in the Construction Noise sub-plan of the CEMP which states noise monitoring may be carried out to:

- Ensure construction equipment complies within noise limits; and
- Achieving compliance with environmental nuisance laws, as well as relevant environmental noise criteria.

The audit found that the site was compliant with CoC No 10 (d), with some opportunities for improvement identified.

6. Complaints

This section provides information on the compliance of CoC No. 10 (e).

6.1 Complaints register

To date, three complaints have been submitted to Woodlawn Wind Pty Ltd and SEA. The earliest complaint was documented on the 31 October 2010 and the most recent complaint was logged on the 24 February 2011.

Complaints made or issues raised include:

- concerns about the cumulative impact of audible turbine noise from the Capital Wind Farm with the additional three turbines WTG21, 22 & 23 which are not directly related to construction noise issues;
- offensive gestures received by construction staff from neighbouring residents on Taylors Creek Road; and
- audible construction noise at Capital substation.

The SEA Site Manager has indicated that all complaints have been addressed. The actions taken were recorded in the complaints register. Responses to address specific problems have included:

- noise monitoring being conducted by an acoustic engineer at site of concern; and
- a query logged as a complaint by a neighbouring resident about a site supervisor heading up to site before 7am has been logged. Although it has been categorised as a noise issue, this would have been a visual issue as only a small 4x4 vehicle was present on the ridge top. Under CoC 19, the following activities may be carried out in association with Construction outside of these hours:

(a) any works that do not cause noise emissions to be audible at any nearby residences not located on the Premises;

With the vehicle in question being over 2 km away from the nearest neighbouring residence, the current CEMP noise restriction limits are being adhered to and demonstrates compliance with CoC 19.

The complaint register details the number and complaints, including a summary of the main areas of complaint. It would be beneficial to detail what action was actually taken and the response that was given in the complaints register.

The audit found that the site was compliant with CoC No 10 (e), with some opportunities for improvement identified.

7. Review of Effectiveness of Controls

This section provides information on the compliance of CoC No. 10 (c). The environmental controls implemented for the construction of the Woodlawn Wind Farm have generally been effective in managing the potential impacts of construction activities.

Rehabilitation of the site could have been more comprehensively managed; however these problems were identified by the Environmental Representative and action plans initiated to address the issue.

Erosion and sediment control is an ongoing improvement process. The plans in place, including visual inspections after rainfall events, allow SEA to proactively manage the issue.

Construction noise is a sensitive issue requiring continual ongoing management. Works outside of standard construction hours are permitted if inaudible at residences not located on the site of the wind farm. While there have been two noise complaints from neighbouring residents, one complaint was related to a site vehicle that was visible rather than audible on site prior to construction normal working hours.

Noise monitoring is still in progress to determine if there are any exceedances of noise emissions outside of the standard construction hours. This aspect of construction may require further continued attention and monitoring depending on the outcome of the analysis.

The following table 7-1 summarises the actual performance of the Woodlawn Wind Farm construction works relative to the measures in the CEMP.

The audit found that the site was compliant with CoC No 10 (c), with some opportunities for improvement identified.

Table 7.1 Woodlawn Wind Farm – Construction Environmental Management Plan – Review of effectiveness of environmental controls

Aspect	Impact	Objective	Target	Actual Performance	Comment
Erosion due to works	Site works exacerbate erosion	To conduct works to avoid erosion. If instances do occur then contain and repair all erosion as identified	No significant erosion incidents All tracks to be sustainable design	There have been no significant erosion incidents recorded, and formal inspections / checklists have shown observations and actions have been undertaken within an appropriate timeframe. Silt capture has been 100% and has been retained within the silt barriers	SEA and CATCON have been diligent with the formal weekly and fortnightly environmental inspections.
Access track (approved) and site clearing	Excessive clearing of land and impact on sensitive areas	All clearing within designated areas. Retention of as much remnant woodland as practicably possible Barriers identifying no go areas	No clearing outside designated areas No impacts on protected vegetation	Clearing had been completed by the time of site inspection, no go zones and sensitive flora and fauna areas are clearly marked.	Procedures are adequately addressing this issue
Spoil and Fill Management – rocky outcrops	Loss of rocky habitat	All rocky habitat to be re-established adjacent works	100% retention of rocky habitat.	Rocky outcrops in close proximity to construction activities have been marked or fenced off. Additional artificial rock outcrops have been formed from excess rock material to provide extra habitat	Procedures are adequately addressing this issue

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Aspect	Impact	Objective	Target	Actual Performance	Comment
Earthworks uncontrolled discharge of sediment	Release of sediment laden water into the environment causing increased turbidity in waterways and dams	Prevent disturbance or contamination of water resources in the area. All excavated topsoil and subsoil is to be temporarily stockpiled in positions away from drainage channels and steep slopes Limit sediment transfer beyond worked areas	100% compliance with the construction soil and water management sub plan	Limited discharge of sediment was observed on site and erosion and sediment control measures appear to be in good shape.	The majority of earthworks were completed prior to the site visit. There have been no records of environmental incidents relating to uncontrolled discharge of sediment.
Water quality – contamination by fuel or oil	Discharge of oil or fuel to creeks	No storage of fuel or oil in areas other than approved by Site Manager Effective bunded containment of all oil and fuel Any spillage to be cleaned up and soil remediated	Nil discharges or spillage of oil or fuel to soil or waterways 100% clean up of any spillage	Five separate oil spill incidents have been recorded on site since the beginning of construction.	Two of the oil spills were caused by personnel not inducted to site. CATCON Management has been informed that all personnel must be site inducted. The remaining oil spill incidents have been marked off as closed in the corrective actions register.
Terrestrial ecology Vegetation clearing	Excessive clearing beyond designated zones	Only defined areas subject to clearing	No disturbance to vegetation or habitat outside of approved turbine sites, access tracks, cable routes, substation site and site office	Clearance adheres to site layout map COO-C-3524 Rev E. Off track driving by several vehicles is an issue of non compliance	No evidence of clearing beyond designated zones.
Habitat	Disturbance during construction and loss of habitat	All identified habitat managed in accordance with controls	Tree clearing to be prevented wherever possible, landscape clearing of any ground cover to be minimised	Evidence of micro-siting of wind turbines in order to minimise tree loss. Felled trees have been left on site to provide additional habitat.	Owners Engineer and Environmental Officer have stated for every tree removed, five will be planted to provide additional habitat.

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Aspect	Impact	Objective	Target	Actual Performance	Comment
Habitat - weeds	Introduction of new weed species or exacerbation of existing weed populations	Manage disturbed ground, stockpiles and vehicle and machinery entry as per the Soil and Water Mgmt Plan	No additional weed species introduced to site and no spread of existing weeds within the site	Rehabilitated areas that have been reseeded are in the early stages of germination.	Due to the early stage of germination, it is too early to tell whether weed populations have been introduced or exacerbated. Continuous monitoring required in subsequent weeks.
Habitat	Disruption to foraging and other fauna activities	Minimise period of disturbance to fauna and flora	All disturbed areas to be returned to natural levels and revegetated with fast growing species and local native species where appropriate as soon as possible	Revegetation of northern string lagging slightly behind.	While rehabilitation of affected areas has been hindered by cranes on site, plans are in place and works will be done progressively.
Earthworks – weeds introduced	Weeds introduced to wind farm site	All earthmoving equipment washed down prior to entry to site	100% compliance for earthmoving equipment All Weed infestations on disturbed ground to be controlled	All Earthworks were complete prior to inspection. Equipment wash down was reported as opportunistic.	Remaining stages of construction does not require earthmoving vehicles. Cattle grids to be installed once all heavy vehicles exceeding 45t no longer need access to site
Indigenous heritage	Disturbance of relics	Avoidance of identified PADs Cessation of works and assessment of relics if identified	100% compliance with cultural heritage management plan requirements	No relics identified during works	Procedures are adequately addressing this issue
Waste	Unplanned distribution of construction waste	All waste handled appropriately and reused/recycled where possible	100% compliance with the waste management and re-use sub plan	Waste appears to be handled appropriately with different bins. Lack of waste register	Site management should incorporate a waste register to better track volume generated from site and provide insight on how to minimise waste generation.

Aspect	Impact	Objective	Target	Actual Performance	Comment
Greenhouse emissions	Excessive greenhouse gas emissions beyond that possible by efficient implementation	Minimise the emissions caused by construction.	100% compliance with the greenhouse and energy management strategy	Site office is utilising energy saving fluorescent lighting. Diesel generator for site compound, equipment shut down when not in use.	Procedures are adequately addressing this issue.
Dust	Generation of fugitive dust emissions, affecting clarity of air to residences or public places in close proximity	Dust generation potential controlled to limit impacts on air quality and visual amenities.	No visible dust plumes from construction areas	No complaints received from neighbours/community with regards to dust generation. Access tracks are adequately wetted and trenches backfilled in a timely manner.	Procedures are adequately addressing this issue.
Construction Noise	Noise at surrounding residences exceeding criteria	Achieving compliance with environmental nuisance laws, as well as relevant environmental noise criteria Work during permitted construction hours	100% compliance with construction noise management plan All noise complaints investigated and follow responded to	Received one complaint of audible construction noise at Capital Substation at 19:05 hrs on the 24/02/2011.	This was undertaking inaudible work outside of normal work hours. Need to clearly detail the complaint issue in the complaint register.
Bushfire	Bushfire spreads from site to surrounding properties	Procedures to be followed to avoid bushfires Being prepared in the event that a bushfire is either ignited or passes through the project site	100% compliance with the bushfire management sub plan	No occurrence of bushfires since construction period	Procedures are adequately addressing this issue.

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Aspect	Impact	Objective	Target	Actual Performance	Comment
Traffic	Impact on local traffic Traffic incidents	Minimise impact on local traffic system Comply with all safety requirements	100% compliance with construction traffic and transport management sub plan	No complaints received with regards to construction traffic impact on local roads. Partial collapse of blade cage on Hume Hwy from Port Kembla to Capital. Non 4x4 vehicle accident on unmade road Damage to gate and vehicle damage	Remainder of cages were transported on an extendable trailer. All vehicles on unmade roads to be 4x4 No further evidence found on damage to gate and vehicle.
Traffic	Damage to road surface or landscape on road verges	Ensure vehicles use constructed roads and access tracks	No deviation from designated routes	Contractors are using the formed tracks. Minor deviations have been observed and follow up undertaken to avoid recurrences.	Procedures are adequately addressing this issue
Dust on local roads	Speeding on local roads and excessive dust events	Construction vehicles to observe speed limits, reduced speed on unsealed roads in proximity to residences, wetting of roads where necessary	100% compliance with air quality management strategy All complaints investigated and responded to.	Palerang Shire Council is responsible for watering Taylors Creek Road which is unsealed. Permit was sought to use Taylors Creek Road for the construction of the transmission line	Procedures are adequately addressing this issue
Collector Road	Accidents	Safe entry and exit at this point	Nil accidents or near misses	No accidents or near misses for Collector Road have been recorded to date.	Procedures are adequately addressing this issue
Bungendore Road exit to substation	Accidents	Safe entry and exit at this point	Nil accidents or near misses	No accidents or near misses at the Bungendore Road exit to the substation have been recorded to date.	Procedures are adequately addressing this issue

Aspect	Impact	Objective	Target	Actual Performance	Comment
Taylor Creek Road	Accidents	Safe heavy vehicle movement at this point during construction of transmission line	Nil accidents or near misses	No accidents or near misses for Taylor Creek Road have been recorded to date.	Procedures are adequately addressing this issue

8. Review and amendments of the CEMP

This section provides information on the compliance of CoC No. 10 (f). The Construction Environmental Management Plan (CEMP) is to be regularly revised throughout the design and construction of this project site. This was evident and revision of the CEMP includes the following:

- Revision 1 of the CEMP was prepared based on Modification of Consent (MOD1) dated 12 May 2010 for the 20 turbine array.
- Revision 2 was prepared based on the Modification of Consent (MOD2) dated 29 October 2010 which included the additional 3 turbines.
- Revision 3 was prepared based on further updates to comments from the Department of Planning dated 16 March 2011.

In section 5 of this CCR it was suggested that an extra column that reads “Complete – Sign and Date” be included in the Site Environmental Compliance Checksheet (included as Appendix D of the CEMP).

The audit found that the site was compliant with CoC No 10 (f), with some opportunities for improvement also identified.

9. Conclusions and Recommendations

The first six months of construction of the Woodlawn Wind Farm has been undertaken generally in accordance with the relevant conditions. There have been some areas where non-compliance or partial compliance has been identified and these are summarised below:

Areas identified as non-compliant which need to be addressed include:

- two vehicles found straying off established access tracks during the site inspection;
- the need for a waste register. A register would better equip site management on improving waste management on site and to formalise the amount of waste being generated from site;
- retaining site soil resource by removing soil adhering to vehicles prior to departure from site;
- consolidating permits and licences into one database that is easily accessible; and
- one noise complaint received about audible construction noise at Capital Substation at 19:05pm on the 24/02/11 listed in the complaints register.

Areas where recommended improvements can be made include:

- SEA to consider the appointment of a full time Environmental Officer on-site as indicated in the approved CEMP;
- road construction involving the potential to uncap acidic spoil will only take place if weather is expected to be clear to avoid potential for runoff. While no incidents were recorded and construction of the relevant area is already complete, there was no specific mention of uncapping to only take place when weather is expected to be clear in the CATCON methodology;
- visual inspection of vehicles entering and exiting the site for weed control were done opportunistically; and
- erosion and sediment control, while good in the southern string is not as adequate as can be expected within the northern string (eg. topsoil, seeding rehabilitation is required when works are completed and drainage works for certain roads appear to be lacking in some sections).

Areas found to comply but with opportunities for improvement include:

- the contents of SEA's Fortnightly Site Environmental Compliance Checksheet. This should be continually updated to reflect aspects of the CEMP that may apply during different stages of construction;
- linking Corrective Actions with the Incident Register;
- creating a specific community involvement plan for the site; and
- complaints register to detail what action was actually taken and the response that was given to the complainant to keep for future records.

As a result of discussion during the Audit SEA have advised that during the remainder of the construction period, increased attention will be given to improving the areas identified as deficient in this report. SEA has indicated that improvements are being implemented through the following measures:

- changes to site management procedures and staffing;
- bunding will be constructed on the section between WTG20W & WTG21 to prevent vehicles from cutting corners and keeping them on the access track;
- completion of all erosion and sediment control plans; and
- stationing of an additional Environmental Officer on site to assist the SEA HSEC Coordinator with environmental compliance issues.

In summary, the audit found that the site was compliant with CoC No 10 (a) to (f). With regards to CoC No 10 (g) no additional matters relating to compliance with the Conditions of Approval, other than the Conditions that have been addressed in this report, have been raised during the construction period. Also no additional matters have been requested or raised by the Director General.

Appendix A

Review of Compliance against elements of the CEMP

Appendix A

Review of compliance against elements of the Construction Environmental Management Plan (CEMP)

Item	Reference (section, page)	Aspect	Compliance Issue	Responsibility*	Target Date	Completion Date	Status	Comments
CONSTRUCTION ENVIRONMENTAL MANAGEMENT PLAN								
1	S 1.4.5 p 12	Risk Assessment	HazOP and HazCON risk assessment workshops conducted and outcome recorded in WOO Risk Register WOO-H-2105. Register to be reviewed monthly and at each project milestone.	Project Manager	Ongoing	Ongoing	Complies	Sighted seven updates of the risk register, with the most recent version Revision 2, updated on 22/03/11.
2	S 1.5.2 p 13	Induction	Evidence of inductions.	Site Manager	Ongoing	Ongoing	Complies	Sighted example of induction register and personal details provided, including a site induction assessment of a contractor provided on 04/11/11 to SEA HSEC Coordinator.
3	S 1.5.3 p 13	Safety	Evidence of Safe Work Method Statements And Job Safety Analyses.	Site Manager	Ongoing	Ongoing	Complies	Sighted Safe Work Method Statement dated 29/03/11. Sighted a signed off Risk Assessment for CATCON Civil Works Earthworks 12/10/10.
4	S 1.6.1 p 14	Inspections	Formal fortnightly inspection of the project site using the site Environmental Compliance Checklist Appendix D of the CEMP.	Site Manager	Fortnightly	Ongoing	Complies (opportunity for improvement)	It is recommended the checklist could be improved by periodically adapting the checklist to suit the current progression of the construction works. Sighted records from SEA HSEC Coordinator dated 3/03/11, 17/03/11 and 31/03/11. The SEA HSEC Coordinator follows through on the corrective actions required. However there was no record of sign off or date by responsible person to close out identified issue. CATCON performs a weekly environmental inspection with corrective actions, follow up generally done the week after.
5	S 1.6.1 p 14	Incident Reports	Incident investigation procedure HSE-PRO-96 followed when an incident has occurred and Incident Report Form HSE-FOR-22 completed within 1 hour when possible. Forward to Wind Farm Owner on a monthly basis. Incident register WOO-H-2221 kept on site.	HSEC Manager Site Manager	Monthly	Ongoing	Complies	Incident Register was viewed during site induction. 24 recorded incidents at time of inspection. Selected number 14 – Final Report, prepared by CATCON. Incidents were addressed in the Corrective Actions Register (WOO-IR-14) 9/2/11 and action taken on 24/2/11
6	S 1.6.2 p 14	Audits	Audit of SEA's Integrated Management system including an assessment of WOO CEMP and all SEA contractual works on site.	Quality Manager	Annual	Ongoing	Complies	SEA has undertaken internal audits. An example from 22/02/11 Audit number - A11/7 Element Audited: HSMP WOO-P-3001, Scope - To audit compliance to the Health and Safety Management Plan. Also compliance to ISO 9001, 14001 and OHSAS 18001 was sighted. It was noted that audit schedules were forwarded to Woodlawn Wind Pty Ltd on a monthly basis.
7	S 1.7.1 p15	Reports	Incident investigation reports for any incidents identified and recorded to the incident register.	Site Manager	Monthly	Ongoing	Complies (opportunity for improvement)	Sighted Corrective Actions and Incident Register. Filling in the Source ID column in the Corrective Actions Register WOO-IR-114 would allow for easier correlation of incidents against response.
8	S 1.7.2 p15	ERP	Emergency Response Plan.	Site Manager	Pre-construction	Ongoing	Complies	No bushfire issues, significant erosion events, noise impacts or hazardous substance spills requiring emergency response have occurred to date.
9	S 1.7.3 p15	Complaints	Complaints details recorded in register.	Site Manager	Monthly	Ongoing	Complies	Complaints register sighted. Two complaints logged as noise issues/enquiries, one complaint on neighbour's behaviour
10	S 1.8	Non-conformance	Non-conformance to CEMP and Sub Plans reported, investigated and corrective action taken.	Site Manager	Ongoing	Ongoing	Partially complies	It is understood that CATCON's full time environmental representative located on site has been responsible for hardstand areas and roads. Although issues are being followed up, not all issues have been closed out within a reasonable timeframe due to the reliance upon CATCON's Project Manager availability who is not located onsite on a full time basis. SEA would benefit from a site environmental officer as per the CEMP to ensure CEMP and Sub Plans management and mitigation measures are being undertaken.

Item	Reference (section, page)	Aspect	Compliance Issue	Responsibility*	Target Date	Completion Date	Status	Comments
SOIL AND WATER MANAGEMENT SUB PLAN								
11	S 2.5 p 23	Land Disturbance	Risk Register and CEMP and design drawings must be received and approved before any works causing landscape disturbance commence.	Site Manager	Pre-construction	Ongoing	Complies	Documentation is received and approved prior to landscape disturbance. SEA provides monthly updates to Woodlawn Wind Pty Ltd. The Owner's Engineer manages the Civil Comments Register.
12	S 2.5 p 23	Erosion and Sediment control plan	Detailed erosion and sediment control plans submitted and approved by site management.	Site Manager	Pre-construction	Ongoing	Complies	Aurecon has previously reviewed detailed copies of erosion and sediment control plans. Sediment controls have been sighted as updated. Civil Comments Register kept by the Owner's Engineer that identifies changes to drawings and documents.
13	S 2.5 p 23	Site	Extent of clearing to be clearly delineated on all construction plans and in the field using markers, flagging tape or other suitable means, clearing must be confined to delineated areas.	Site Manager	Ongoing	Ongoing	Complies	Earthworks already complete with fencing and markers for certain delineated areas still in place.
14	S 2.5 p 24	Site	Severely degraded land that are highly sensitive due to soil and water characteristics marked off as "Environmental No-Go Areas".	Site manager	Ongoing	Ongoing	Complies	There were fenced off "Environmental No-Go Areas" sighted during the field inspection on 29/03/11.
15	S 2.5 p 24	Drainage	Geo-textile silt fences must be installed across drainage lines likely to receive runoff from disturbed areas until stabilised with revegetation. Fences must be upstream of any existing erosion and retention basins will be established to catch runoff from disturbed areas.	Site manager	Ongoing	Ongoing	Partially complies	There was good control of erosion and sediment, sufficient silt fences and top soil dressing was progressing well on the Southern String of the project. There was inadequate rehabilitation "top soil dressing" and there are areas that still require seeding on the Northern String. This was work in progress.
16	S 2.5 p 24	Vehicles	Vehicles to remain on designated roads and tracks as far as practicable. Off-road driving within areas of native vegetation and across waterways prohibited.	Site manager	Ongoing	Ongoing	Non-compliance	During site inspection on 29/03/11, two vehicles were seen to deviate from allocated access track. The Owner's Engineer spoke to the drivers and instructed them to follow allocated access tracks that are well defined. The incidents were not recorded in a register but mentioned in a meeting.
17	S 2.5 p 24	Stockpiles	Excavated topsoil and subsoil is stockpiled separately and at least 100 m away from drainage channels and steep slopes unless it can be directly replaced on rehabilitation or construction areas.	Site manager	Ongoing	Ongoing	Complies	Stockpiles are separated at least 100 m away from drainage areas and steep slopes.
18	S 2.5 p 24	Stockpiles	Temporary soil stockpiles must be located at least 100 m away from waterways. Bunding to be placed upstream and downstream of each stockpile where required, max height 2 m.	Site manager	Ongoing	Ongoing	Complies	Stockpiles were within the 2 m height restriction and located at least 100 m away from waterways.
19	S 2.5 p 24	Vegetation	Cleared vegetation will be mulched and used in erosion control and rehabilitation. In some cases whole trees or branches can be used.	Site manager	Ongoing	Ongoing	Complies	No mulching has occurred on site due to adequate sediment control already provided via other means. Woodlawn Wind Pty Ltd Owner's Engineer has indicated that there is a plan for felled trees to be relocated to provide additional habitat.
20	S 2.5 p 24	Roads	Location of roads must follow approved site layout (WOO-C-3524).	Site manager	Ongoing	Ongoing	Complies	Access roads are located as per WOO-C-3524 Revision E.
21	S 2.5 p 25	Roads	Road base is not to be from mine rock.	Site manager	Ongoing	Ongoing	Complies	Coffey Materials Test Report FYSH10S-03491 sampled on the 06/12/11 sighted, road base parent material is not mine rock.
22	S 2.5 p 25	Roads	Ensure watercourse crossing designs are adhered to.	Site manager	Ongoing	Ongoing	Complies	Checked typical Crossings and Details Plan No. 6015462-DRG-10-SP001-A. Watercourse crossing are being constructed as per design.
23	S 2.5 p 25	Roads	Silt barriers must be placed downstream of road where runoff is likely or evident.	Site manager	Ongoing	Ongoing	Complies	Silt barriers were placed in appropriate locations.
24	S 2.5 p 25	Culverts	Culverts must be placed in areas where roads will pass over a drainage line or waterway and adhere to design guidelines to avoid or minimize erosion and scouring.	Site manager	Ongoing	Ongoing	Partially complies	Some culverts primarily in the Southern String have been installed and are satisfactory. Culverts on the Northern String still need to be built. There is currently an issue with getting access due to completion of crane works using the access road.

Item	Reference (section, page)	Aspect	Compliance Issue	Responsibility*	Target Date	Completion Date	Status	Comments
25	S 2.5 p 25	Culverts	Areas downstream of each culvert must be protected from erosion and scouring with erosion control methods.	Site manager	Inspection after first 3 rain events after construction of culvert	Ongoing	Complies	Sediment fencing and other measures observed to be working on site downstream of culverts.
26	S 2.5 p 25	Turbine foundation	Wind turbines must be constructed at the site shown on (WOO-C-3524).	Site manager	Ongoing	Ongoing	Complies	Wind turbines were found to be located as per WOO-C-3524 Revision E.
27	S 2.5 p 25	Hardstand area	Each crane hardstand area should be constructed of non-eroding and free-draining material, compacted and shaped to allow water runoff with no concentration of flow in any particular area.	Site manager	Ongoing	Ongoing	Complies	All crane hardstand areas were observed to be compliant during site inspection.
28	S 2.5 p 25	Trenches	Trench layout must be consistent with WOO-C-3524.	Site manager	Ongoing	Ongoing	Complies	Bulk of cabling and excavation works have been completed as per the WOO-C-3524 Revision E.
29	S 2.5 p 25	Trenches	To be backfilled and rehabilitated as soon as practical, no sections must remain open for longer than 24 hours. Backfilled trenches must be compacted.	Site manager	Ongoing	Ongoing	Complies	Trenches inspected appeared to be finished and rehabilitated at the time of the site inspection.
30	S 2.5 p 26	Trenches	Reticulation trenching should be undertaken in drier months of the year between December and April, and avoided in heavy rain.	Site manager	Ongoing	Ongoing	Complies	Site Manager confirmed reticulation trenching was performed from December to March and completed 3 weeks prior to site inspection.
31	S 2.5 p 26	Stormwater	Stormwater management structures must ensure sediment is removed from stormwater as much as practicable and discharged in a way to not cause erosion. Also ensure they will not damage existing structures installed by catchment authorities.	Site manager	Ongoing	Ongoing	Complies	Stormwater holding structures near turbines were not required as the area of disturbance calculated per catchment was small. This is based on the requirements of the Blue Book - Managing Urban Stormwater (MUS): Soils and Construction Volume 1 (4 th Edition). Sediment fences were the main instruments used and are kept in good condition. Three sediment basins downstream of the site compound were observed to be in good working order.
32	S 2.5 p 26	Stormwater	Provide designs of area within vicinity of southern site entrance track to relevant Catchment Authorities.	Site manager	Pre-construction	Pre-construction	Complies	The Consultation Register Item 53 detailed that Sydney Catchment Authority (SCA) officer was consulted and accepted the CEMP on condition that construction will be done to minimum SCA standards.
33	CATCON SWMP p6	Drainage	Mitre drains placed where appropriate to direct water flow from along the roadside onto stable ground.	Site manager	Ongoing	Ongoing	Non compliance	Did not appear to be installed and there was no evidence on site of road drains. This was discussed with SEA and currently there are some interface issues with the crane reducing opportunities to gain access.
34	CATCON SWMP p6	Drainage	Rock lining or check dams will be used where appropriate to slow water speeds along roadside drains.	Site manager	Ongoing	Ongoing	Partially complies	Check dams present and operational between WTG 6 and 7. Some steeper sections of the site are lined with concrete to prevent them from washing out. Other areas still require installation.
35	S 2.5 p 27	Spoil and Fill Mgmt	All fill material to be sourced from site, or if offsite, it will be Virgin Excavated Natural Material.	Site manager	Ongoing	Ongoing	Complies	All material is sourced from site and all cut material was used on site. Design has been neutral cut and fill.
36	S 2.5 p 27	Spoil and Fill Mgmt	Rocky outcrops and landscapes established with vegetation is to be preserved at all times.	Site manager	Ongoing	Ongoing	Complies	Rocky outcrops were observed to be marked and fenced off. During the site inspection, the Owner's Engineer pointed out that some of the excavated rocks were used to create additional rocky outcrops to provide extra habitat on site.
37	S 2.5 p 27	Storage	Fuel and chemical storage areas must be located as shown on (WOO-C-3524). Area must contain bunds sized to 110% of the volume of the largest storage container and comply with EPA guidelines.	Site manager	Pre-construction	Ongoing	Complies	Fuel and chemical storage were located within appropriate containers during site visit.

Item	Reference (section, page)	Aspect	Compliance Issue	Responsibility*	Target Date	Completion Date	Status	Comments
38	S 2.5 p 27	Register	Chemical register to control chemicals and hazardous material.	Site manager	Ongoing	Ongoing	Complies	There is a Safety Data Sheets MSDS Register dated 03/12/10 at the site compound. All chemicals are stored in a secure container with adequate bunding.
39	S 2.5 p 27	Storage	Chemicals must be securely stored on site with the substance's material safety data sheet (MSDS) which must be available at location where the substance is stored.	Site manager	Ongoing	Ongoing	Complies	As above, sighted the Safety Data Sheets MSDS Register dated 03/12/10 at the site compound.
40	S 2.5 p 27	Fuels	Fuels, hydrocarbons, chemicals and hazardous substances must not be handled within 100 m of any river, stream or waterway.	Site manager	Ongoing	Ongoing	Complies	The handling of fuels, hydrocarbons and hazardous substances were all located over 100 m from any waterbody. The diesel tank on site is self bunded. A small amount of refuelling occurs at the site compound and some up on the hills, most drivers fill up vehicles in town. No refuelling sighted during the field inspection.
41	S 2.5 p 27	Dust	Sand and aggregate should be delivered to site in a dampened state in covered trucks. If dried out during transportation, should be wetted prior to dumping in storage stockpiles.	Site manager	Ongoing	Ongoing	Complies	Sighted evidence of sand and aggregate loads being delivered in covered trucks.
42	S 2.5 p 27	Monitoring	Dust control devices should be inspected in accordance with Appendix 1 of the Environmental Guidelines for the Concrete batching industry.	Site manager	Ongoing	Ongoing	Complies	Dust control systems are operating. Work has previously stopped due to windy conditions on site.
43	S 2.5 p 28	Access Tracks	Unsealed access tracks and site roads should be regularly watered.	Site manager	Ongoing	Ongoing	Complies	The access road was damp and a water cart/water truck was sighted on three occasions during site inspection.
44	S 2.5 p 28	Wastewater	Temporary sewerage holding/treatment systems must be sited at least 100 m away from any water body.	Site manager	Ongoing	Ongoing	Complies	Sewerage is held in a holding tank located underneath the toilet at the site compound, It is emptied on a weekly basis by an external contractor (See Item 45 below). Another holding tank is held under the toilet block in the northern string near WTG 4.
45	S 2.5 p 28	Wastewater	Management and disposal of all wastewater from portable toilet facilities must be carried out by a licensed supply and disposal contractor.	Site manager	Ongoing	Ongoing	Complies	Disposal of wastewater/sewerage from portable toilet facilities is handled by ACTQ Pty Ltd. Sighted tax invoice dated 7/2/11: Contractor's details: PO BOX QMDD 6044, Queanbeyan tel. (02) 6299 2808 and fax. (02) 6299 2908.
46	S 2.5 p 28	Wastewater	On-site wastewater management system is not permitted as per condition 73(c) of the CoC associated with the operation of the project.	Site manager	Ongoing	Ongoing	Complies	No on-site wastewater management system was sighted during the site inspection.
47	S 2.5 p 28	Water Mgmt	Water for dust suppression and fire fighting to be obtained from on site farm dams wherever possible following contractual agreement with landowners.	Site manager	Ongoing	Ongoing	Complies	The SEA HSEC Coordinator advised that rainwater is collected from site compound roof and is used for washing turbine tower components. There is a stand pipe (bore water) from Veolia near the car park to supply water for dust suppression. Additional water is available from Veolia farm dams.
48	S 2.5 p 28	Water Mgmt	Potable water to be obtained from external water supplier.	Site manager	Ongoing	Ongoing	Complies	Potable water is supplied by Dovall's; invoice from the company was sighted.
49	S 2.8 p 33	Inspections	Visual inspection for evidence of erosion, sedimentation and functionality of structure.	HSEC Coordinator or Site Manager	Day to day, Fortnightly, Following significant rainfall.	Ongoing	Complies	Sighted as complete in CATCON Environmental Inspections 21/03/11 Job No 747, 16/03/11, 17/02/11, and 09/02/11. The SEA HSEC Coordinator undertakes inspections as per the Site Environmental Compliance Checklist.

Item	Reference (section, page)	Aspect	Compliance Issue	Responsibility*	Target Date	Completion Date	Status	Comments
50	S 2.8 p33	Inspections	Visual inspection for build up of sediment and integrity of barrier and structure.	HSEC Coordinator or Site Manager	Fortnightly, Within 2 hrs of significant rainfall, throughout the day during prolonged rainfall.	Ongoing	Complies	Sediment and integrity inspections are completed weekly and also following rainfall events by CATCON's Environmental Officer. An example of an inspection check sheet dated 04/02/2011 was sighted. The inspection was required after a rainfall event of 42 mm in a 48 hour period. From the site inspection it was clear that clearing for build up of sediment has been undertaken.
51	S 2.7	Spills	Prevent leakage of spills and sediment-laden stormwater into local waterways.	Site manager	Ongoing	Ongoing	Complies	Spills and leaks are held on the site compound. These are bagged and transported to Bungendore Tip and recorded. Appendix D fortnightly inspection dated 17/3/11 was sighted
52	S 2.8 p 34	Culverts and Stream Crossings	Regular visual inspections for integrity of structure and evidence of erosion.	Site manager	Ongoing	Ongoing	Complies	CATCON Environmental Officer performs weekly inspections. SEA HSEC Coordinator performs formal fortnightly inspections and informal daily inspections. This is only based on the Site Environmental Compliance Checklist.
53	S 2.8 p 34	Trenches	Visual inspections for open/rehabilitated trenches for evidence of erosion or sedimentation.	Site manager	Ongoing	Ongoing	Complies	Major bulk earthworks have been completed and only the endpoints remain uncovered to allow to electrical connection of kiosks. CATCON Environmental Officer performs weekly inspections. SEA HSEC Coordinator performs formal fortnightly inspections and informal daily inspections.
54	S 2.8 p 34	Inspections	Visual inspections of laydown areas, wind turbine hardstand and turbine areas for evidence of erosion and sedimentation.	Site manager	Ongoing	Ongoing	Complies	CATCON Environmental Officer performs weekly inspections. SEA HSEC Coordinator performs formal fortnightly inspections and informal daily inspections.
55	S 2.8 p 35	Inspections	Visual inspection for evidence of spills or leaks.	Site manager	Ongoing	Ongoing	Complies	CATCON Environmental Officer performs weekly inspections. SEA HSEC Coordinator performs formal fortnightly inspections and informal daily inspections. The SEA HSEC Coordinator picks up evidence of spills and leaks and ensures they are cleaned up.
56	S 2.8 p 35	Inspections	Ensure that the most appropriate controls are being implemented; check that controls are being maintained in an efficient condition.	Site manager	Ongoing	Ongoing	Partially Complies	Southern String controls are being well looked after. The Northern String requires improvements in rehabilitation through the application of top soiling and seeding. Environmental officer mentioned crane operation in the area is stalling the process.
57	S 2.8 p 33	Inspections	Monitor turbidity on the input and output side of the sediment control device during wet weather inspections.	Site manager	Ongoing	Ongoing	N/A	No water monitoring is done. Water from wet weather events is captured in silt fences and left to evaporate. There was no evidence of sediment in waterways.
58	S 2.8 p 33	Settlement basins	Visual inspections for build up of sediment.	Site manager	Ongoing	Ongoing	Complies	Settlement basins downstream of site compound inspected during site visit and noted to be in good working order.
59	S 2.8 p 33	Safety	Site safety environment checklist.	Site manager	Ongoing	Ongoing	Complies	Site safety environment checklist sighted. This has been done on a fortnightly basis.
60	CATCON SWMP p6	Acidic Soils	Acidic spoil from uncapped mine tailings will be disposed of to a designated tailings dam and exposed tailings will be recapped the same day.	Site manager	Ongoing	Ongoing	Complies	Acidic soil is located west of WTG01 and WTG02W. Visually confirmed as capped during site visit. Point 6 & 8 of the CATCON Methodology for construction of roadworks at mine site (Revision 1) addresses these issues.
61	CATCON SWMP p6	Acidic Soils	Road construction involving the potential to uncap acidic spoil will only take place if weather is expected to be clear to avoid potential for runoff.	Site manager	Ongoing	Ongoing	Partially complies	Point 11 of the CATCON Methodology for construction of roadworks at mine site Rev 1 states 'items 4 to 11 are staged so that whatever is excavated in a day can be covered in the same day'. However, there is no specific mention of uncapping to only take place when weather is expected to be clear. Work involving acidic soils had been completed prior to site inspection.

Item	Reference (section, page)	Aspect	Compliance Issue	Responsibility*	Target Date	Completion Date	Status	Comments
62	CATCON SWMP p6	Rehabilitation	Exposed areas will be revegetated as quickly as possible, cover crops placed on disturbed areas.	Site manager	Ongoing	Ongoing	Partially complies	While some sites have been revegetated, rehabilitation is still in progress, with a slight bottleneck occurring between WTG08 & WTG09W. CATCON's Environmental Officer has mentioned access issues with Cranes driving over top soil on site and rehabilitation will occur once works related to Cranes are completed.
63	CATCON SWMP p7	Rehabilitation	Trench lines will be compacted after backfilling with top surface raked along the contour, respread with topsoil and seeded with appropriate perennial pasture grasses.	Site manager	Ongoing	Ongoing	Complies	Trench lines were sighted to be in good condition with signs of perennial pasture grass regrowth.
FLORA AND FAUNA MANAGEMENT SUB PLAN								
64	S 3.2.1 p 40	Revegetation	Revegetation success monitored during fortnightly inspections as well as the scheduled audits.	Site manager	Ongoing	Ongoing	Complies	Seeds were only just starting to germinate during site inspection and it is impracticable to accurately monitor. The Environmental officer has stated that subsequent fortnightly inspections will allow for more accurate analysis. Revegetation success monitoring should also be added into the fortnightly Environmental Compliance Checklist. SEA has uprooted trees and has advised that will be replaced at a ratio of 5:1.
65	S 3.5 p 41	Site personnel	Ensure site management and general personnel are aware of the locations of native flora and fauna communities.	Site manager	Ongoing	Ongoing	Complies	Site map WOO-C-3524 is displayed in the site compound and provided to individuals during the initial site induction. The site map clearly indicates the locations of flora and fauna communities.
66	S 3.5 p 41	Fencing	High value flora and fauna areas adjacent to planned works are marked off as Environmental No-Go Areas using star pickets, flagging and/or signage where appropriate.	Site manager	Ongoing	Ongoing	Complies	All high value flora and fauna areas marked on Site Map WOO-C-3524 Rev E were found to be appropriately marked off during the site inspection. Acacia Woodlands adjacent to WTG 10 are not fenced but visually obvious and show no signs of damage.
67	S 3.5 p 41	Vegetation Clearing	Clearing to be minimised with areas clearly marked and procedures to allow fauna to relocate.	Site manager	Ongoing	Ongoing	Complies	Ecological inspections were undertaken prior to clearing in order to check for nesting and hollows. Most trees removed were young. It was noted that during the site inspection turbine foundations were micro-sited in order to minimise the removal of trees and avoidance of rocky outcrops.
68	S 3.5 p 42	Vehicles	Off road driving on paddocks should be avoided and off road driving within areas of native vegetation and across waterways is prohibited	Site manager	Ongoing	Ongoing	Non-compliance	During the site inspection, two vehicles were seen driving off-road in locations where access tracks are readily available. The Owner's Engineer gave the offenders a verbal reprimand; however toolbox talks are required to address this issue to ensure ongoing compliance.
69	S 3.5 p 42	Construction	Underground electrical cable trenches will be backfilled and rehabilitated, trench sections will not remain open for longer than 24 hours.	Site Manager	Ongoing	Ongoing	Complies	All trenches appeared backfilled and rehabilitated. The exception was at the electrical connection point with WTG's which are flagged off in the lower slope sides to allow trapped fauna to escape
70	S 3.5 p 42	Construction	Removal of road kill caused by construction traffic or found during routine inspections.	Environmental Officer	Ongoing	Ongoing	Complies	On the rare occasion where there has been road kill, this has been removed promptly and no signs of road kill were evident during the site inspection. The environmental compliance checklist does not have a category for road kill, however due to the rare occurrence, a note in the comments section of the checklist would suffice.
71	S 3.8 p 49	Monitoring	Inspections covering all identified potential environmental impacts.	Site manager	Fortnightly	Ongoing	Complies	Sighted previous Environmental Compliance Reports undertaken by the SEA HSEC Coordinator with the most recently dated one on the 17/03/11. A section on revegetation success should be added into the fortnightly checklist. CATCON has a more detailed checklist covering mitigation measures from the CEMP.

Item	Reference (section, page)	Aspect	Compliance Issue	Responsibility*	Target Date	Completion Date	Status	Comments
72	S 3.8 p 49	Smothering of vegetation	Visual inspection of stormwater controls and areas of disturbed landscape for transported sediment.	Environmental Officer	Fortnightly, Within first two hours of significant rainfall, Regularly throughout day during prolonged rainfall	Ongoing	Complies	Mentioned above in Soil and Erosion Management Plan (See Items 11-63) Evidence of formal visual inspections of stormwater and sediment controls was sighted in SEA's Fortnightly Environmental Compliance Cheeksheet and CATCON Environmental Cheeksheet EF-06. A CATCON Environmental Cheeksheet EF-06 dated: 04/04/11 was evidence of an inspection undertaken after a significant rainfall event.
73	S 3.8 p 49	Weeds	Visual inspection for soil and plant matter to be conducted on vehicles and machinery entering and exiting the site.	Environmental Officer	Ongoing	Ongoing	Partially complies	Visual inspections are done at the site compound opportunistically. Vehicles not reporting directly to the site compound are missed. Vehicles involved in the construction of the overhead transmission line are supposed to be brushed down. No formal evidence of vehicle inspections when entering or exiting the site except when weekly inspections are performed. Delivery drivers aren't inducted so they will not be aware of the requirement to be brushed. It should be noted that no vehicles were observed with a build up of weeds or soil during the SEA Fortnightly Environmental Compliance Inspection undertaken on 17/03/11. No build up of weeds or soil was observed at the Collector Road access point.
74	S 3.8 p 50	Stockpiles	Visual inspections of stockpiles conducted for signs of pest animals.	Environmental Officer	Ongoing	Ongoing	Complies	No sightings of pest animals have been recorded in the Environmental Compliance Checklist during the routine fortnightly inspections.
75	S 3.8 p 50	Weeds	Visual inspection for exacerbation of existing weeds or evidence of new species to site, and appropriate control measures implemented.	Environmental Officer	Ongoing	Ongoing	Complies	The current stage of germination for revegetated areas means identification of weeds not practicable. Noxious weeds are not considered an issue at the site.
76	S 3.8 p 50	Waste	Visual inspections for evidence of spills or leaks as per Hydrocarbon and Hazardous Substances plan.	Environmental Officer	Ongoing	Ongoing	Complies	Sighted in Environmental Compliance checklist, The SEA HSEC Coordinator ensures that correct cleaning and disposal of any spills or leaks occurs
CULTURAL HERITAGE MANAGEMENT SUB PLAN								
77	S 4.4 p 69	Induction	Key strategies regarding heritage incorporated in site induction material and SWMS documentation.	Site manager	Pre-construction	Ongoing	Complies	Heritage issues have been included in the induction material and SWMS documentation.
78	S 4.4 p 69	Sites	Barrier and high visibility fencing will ensure sites WL01, 02, 05, 06, 09, 11, 12, 14 and WLWF1-3 will not be accessible. WL04 will be marked.	Project Manager	Pre-construction	Ongoing	Complies	Barrier and high visibility fencing was visually confirmed during the site inspection.
79	S 4.4 p 69	Protection	No works to take place near sites or protection to be provided.	Project Manager	Ongoing	Ongoing	Complies	Fencing around protected areas was sighted, with no evidence of fencing being damaged from works.
80	S 4.4 p 69	Unrecorded site	Protocol to be followed should an unrecorded site be discovered.	Project manager	Ongoing	Ongoing	Complies	No new archaeological heritage sites have been discovered during site works.
81	S 4.4 p 69	Vehicles	"WLTl" areas of sensitivity to be protected, no removal of top soil or sub surface material within these areas. Where practicable, avoid usage of trucks in wet weather, otherwise implement necessary protection measures.	Project manager	Ongoing	Ongoing	Complies	WLTl areas of sensitivity have been appropriately marked as environmental no go areas, by marking the perimeter with fluoro capped signposts every 50 m.

Item	Reference (section, page)	Aspect	Compliance Issue	Responsibility*	Target Date	Completion Date	Status	Comments
82	S 4.5 p 70	Monitoring	Records of work being monitored for evidence that controls are being carried out.	Project manager	Ongoing	Ongoing	Complies	SEA's fortnightly environmental compliance inspections include the monitoring of: <ul style="list-style-type: none"> pickets, bunting and other controls signifying cultural heritage "No Go Areas" the condition and evidence of disturbance within the cultural heritage areas. Records show no incidents of work impacting upon the Environmental No Go Areas have occurred and controls are being carried out appropriately.
WASTE MANAGEMENT AND RE-USE SUB PLAN								
83	S 5.2 p 73	Spills	Management of minor hydrocarbon and hazardous/dangerous material spills.	Site manager	Ongoing	Ongoing	Complies	There are adequate controls on site, which include daily inspections of CATCON Plant.
84	S 5.2 p 73	Site	Construction site and work areas litter free.	Site Manager	Ongoing	Ongoing	Complies	Construction site and site compound was observed to be litter free.
85	S 5.3.2 p 74	Avoidance/Reduction	Evidence of efficient construction planning and return packaging to supplier or re-use where practicable.	Site manager	Ongoing	Ongoing	Complies	The SEA HSEC Coordinator advised that spare steel goes to a scrap steel dealer. However there was no paperwork on site to demonstrate this good practise. Packaging is reused where possible or returned to the supplier Water bottles, mufflers, met masts etc. are all returned to the manufacturer.
86	S 5.3.3 p 74	Vegetation	Reuse of felled trees as material for revegetation applications, or to assist flow controls in soil water management plans.	Site Manager	Ongoing	Ongoing	Complies	Due to site characteristics, SEA has found it unnecessary to use felled trees for flow controls. It is recommended that the CEMP be updated to reflect these measures.
87	S 5.3.4 p 75	Recycling	Wastes classified and stored separately before transport to appropriately licensed facility.	Site Manager	Ongoing	Ongoing	Complies	Waste is separated and handled by and external contractor: Cleanaway (Ph: 6230 2600). The site administrator keeps records of wastes removed.
88	S 5.3.4 p 75	Bins	To be clearly labelled, have secure lids and not be overfilled.	Site Manager	Ongoing	Ongoing	Complies	A clear distinction between paper and cardboard bins, from general waste bins was sighted at site compound.
88	S 5.3.4 p 75	Wastewater	Pump-out toilet block to be used at temporary site office laydown. No onsite wastewater treatment system will be installed.	Site manager	Ongoing	Ongoing	Complies	The pump-out toilet block was sighted and is managed by ACTQ (See Item 45 above).
89	S 5.3.3 p 75	Site	No on-site burial of waste.	Site Manager	Ongoing	Ongoing	Complies	No evidence of site burial of waste during site inspection. Induction of personnel and the provision of bins indicate that personnel are using the appropriate waste bins.
90	S 5.3.3 p 75	Recording	A register of waste removed from the site, detailing type of waste, quantity, contractor and destination of particular waste.	Site Manager	Fortnightly	Ongoing	Non-compliance	Records of waste removal are kept by the site administrator in the form of receipts. However there is no evidence of a waste register on site. It is recommend that this is implemented
GREENHOUSE GAS AND ENERGY MANAGEMENT STRATEGY								
91	S 6.3 p80	Site layout design	Minimise fill materials, especially those from off-site sources.	Project Manager	Pre-construction	Ongoing	Complies	Cut rock/soil is reused for refilling purposes. Some additional material is sourced from the borrow pit within the site adjacent to WTG017W.
92	S 6.3 p 81	Onsite vehicle usage	Minimise idle construction equipment, shutdown when not in active usage, minimise double-handling of material.	Site Manager	Ongoing	Ongoing	Complies	The diesel generator for the site compound is shut down overnight and fired up in the mornings. Vehicles and plant on site are shutdown when not in use for greenhouse management and running cost purposes.
93	S 6.3 p 81	Maintenance	Equipment and vehicles to be maintained in accordance with manufacturer specification.	Site Manager	Ongoing	Ongoing	Complies	Site vehicles are inspected on a weekly basis; every piece of plant has a daily checklist before operation.
94	S 6.3 p 81	Site Office	Energy efficient lighting to be used.	Site Manager	Ongoing	Ongoing	Complies	Energy saving fluorescent lamps are being used in site office.
95	S 6.3 p 81	Site Office	Switch off office lights, air conditioning and other equipment when not in active usage.	Site Manager	Ongoing	Ongoing	Complies	The diesel generator powering the site compound is shut down during out of office hours.
96	S 6.3 p p81	Waste	Recycle all materials.	Site Manager	Ongoing	Ongoing	Complies	Clearly labelled recycling bins are provided on site.
97	6.3 p 81	Materials	Utilise local sources or recycled materials where practicable in the construction process.	Site Manager	Ongoing	Ongoing	Complies	All fill material is sourced from site. Some steelwork scraps have been reused with the rest recycled. However there was no paperwork on site to demonstrate this good practice.

Item	Reference (section, page)	Aspect	Compliance Issue	Responsibility*	Target Date	Completion Date	Status	Comments
98	S 6.4 p81	Records	Level of compliance to be recorded in the environmental compliance inspection checksheet.	HSEC + Site Manger	Fortnightly	Ongoing	Complies	Level of compliance addressed in the fortnightly Environmental Compliance Checklist.
AIR QUALITY MANAGEMENT STRATEGY								
99	S 7.3 p84	Dust – vehicles	Limit vehicle speeds to 40 km/hr on unsealed access tracks.	Site Manager	Ongoing	Ongoing	Complies	Speed limit clearly labelled on site and also on the site map.
100	S 7.3 p84	Landscape disturbance	Ensure open excavations are filled and disturbed soil stabilised as soon as practical.	Site Manager	Ongoing	Ongoing	Partially Complies	Managed well on the Southern String. Northern String requires more work with soil stabilisation, as discussed previously.
101	S 7.3 p84	Stockpiling	Coordinate excavation, spreading, regrading, compaction and importation activities to minimise stockpiling.	Site Manager	Ongoing	Ongoing	Partially Complies	Managed well on the Southern String. Northern String requires more work with soil stabilisation.
102	S 7.3 p85	Dust – vehicles	Retain site soil resource by removing soil adhering to vehicles prior to departure from site.	Site Manager	Ongoing	Ongoing	Non-compliance	No dust removal mechanisms have been installed at access points to site Cattle grids were previously removed due to the weight of turbine components and cranes being transported into site and will be reinstalled once heavy construction vehicles no longer require access to the site.
103	S 7.3 p85	Access Tracks	Stabilise access tracks and confine traffic to those areas where practicable.	Site Manager	Ongoing	Ongoing	Non-compliance	While access tracks are well constructed, two vehicles deviating from access tracks were observed during the field inspection and the drivers subsequently verbally reprimanded by the Owner's Engineer.
104	S 7.3 p85	Soil and Water Mgmt Plan	Regular removal of silt accumulated in erosion control devices.	Site Manager	Ongoing	Ongoing	Complies	Limited silt accumulation was observed in the erosion control devices during site inspection.
105	S 7.3 p85	Vegetation	Retain existing vegetation wherever practicable.	Project/Site Manager	Ongoing	Ongoing	Complies	Evidence of micro-siting to retain vegetation wherever practicable was observed during the site inspection.
106	S 7.3 p85	Construction hours	Cease work in the event of extreme weather conditions and uncontrollable fugitive dust emissions.	Project/Site Manager	Ongoing	Ongoing	Complies (opportunity for improvement)	The SEA HSEC Coordinator informed us that excavation works (building roads and compacting activities) were stopped twice at WTG 017 on the southern string during high wind periods. No instructions were viewed of this good practise. There was no extreme weather during the site inspection.
107	S 7.4 p85	Records	Evidence of day-to-day informal inspections and fortnightly environmental compliance inspections.	Site Manager	Ongoing	Ongoing	Complies	The civil supervisor undertakes day to day informal inspections and the SEA HSEC Coordinator undertakes fortnightly inspections.
CONSTRUCTION NOISE MANAGEMENT PLAN								
108	S8.4 p 90	Noise levels	Achieve construction noise goals identified in the Sub Plan.	Site Manager	Ongoing	Ongoing	Partially complies	Three complaints were noted in the complaints register. Two of these were indirectly related to noise, Noise monitoring equipment has been set up at a residence on Taylors Creek Rd to monitor construction noise
109	S 8.4.1 p 91	Construction hours	Construction hours restricted to Monday to Friday 7am-6pm, Saturday 8am-1pm, no work on Sundays or public holidays unless they comply with CoC 19 (a) – (c).	Site Manager	Ongoing	Ongoing	Non-compliance	Work is generally complying with the construction hours. There has been one noise complaint about audible construction noise at Capital Substation at 19:05pm on the 24/02/11 listed in the complaints register.
110	S 8.4.1 p 91	Construction hours	Outside approved construction hours activity to meet requirements of CoC 19.	Site Manager	Ongoing	Ongoing	Complies	Out of hours work approval for erecting towers is still being investigated. Noise monitoring undertaken near Taylor Creek Rd will assist with this decision to pursue out of hours work approval. DoP approved out of hours concrete pouring between 02/02/11 and 31/03/11 for days where the expected temperature is likely to be over 32°C.
111	S 8.4.1 p 95	Drilling activity	Drilling of rock for anchor tables only occurs during approved construction hours.	Site Manager	Ongoing	Ongoing	Complies	Completed. No complaints were received and all works in relation to drilling of rock for anchor tables is only approved during normal construction hours.
112	S 8.4.1 p95	Community notification	Update to web-site to indicate construction transmission line start.	Site Manager	Ongoing	Ongoing	Complies	Sighted www.woodlawnwindfarm.com.au This was last updated on the 30/3/11.

Item	Reference (section, page)	Aspect	Compliance Issue	Responsibility*	Target Date	Completion Date	Status	Comments
113	S 8.4.1 p95	Community notification	Notification to immediate neighbours prior to commencement of construction and when works are in close proximity. Notification of blasting (if required), out of hour's works, anticipated hours, duration and frequency.	Site Manager	Ongoing	Ongoing	Complies	Letters distributed to community prior to starting construction were sighted. A sample letter from Woodlawn Wind Pty Ltd notifying residents of changes in construction hours on the 31/01/2011 was sighted. No blasting has occurred on site.
114	S 8.4.1 p96	Community notification	Local residents provided with contact details of the night works site supervisor to enable direct feedback and response.	Site Manager	Ongoing	Ongoing	Complies	Information was provided in letterbox drops. Contact information is available on website.
115	S 8.5 p 98	Equipment Management	Generally using machinery that is appropriate and well maintained.	Site Manager	Ongoing	Ongoing	Complies	Daily checklist sighted has indicated plant is being properly maintained.
116	S 8.5 p98	Induction	Training staff on noise sensitive issues and the need to limit noise impacts.	Site Manager	Pre-construction	Pre-construction	Complies	Staff members are educated on noise sensitive issues during site induction.
117	S 8.5 p98	Site Management	Undertaking a range of measures generally aimed at reducing noise at receivers through use of appropriate machinery and management of machinery at the construction sites.	Site Manager	Ongoing	Ongoing	Complies	There was one complaint about a bobcat being sighted working out of hours. The issue was not associated with noise but with the timing of the works outside of normal construction hours. Currently there is additional noise monitoring being undertaken at a neighbouring residence but this was not complete at the time of the audit.
118	S 8.5 p98	Vehicle movement	Vehicles to enter and leave the site using designated access points, truck movements will occur at the slowest suitable speed.	Site manager	Ongoing	Ongoing	Complies	Only two entry / exit points on site. Vehicles appear to be adhering to the speed limits set by site management.
119	S 8.6 p98	Monitoring	If non-compliance is suspected, an acoustic specialist is to be consulted.	Project Manager	Ongoing	Ongoing	Complies	Noise monitoring is currently being conducted for a neighbouring residence by an acoustic engineer from Aurecon.
BUSHFIRE RISK MANAGEMENT SUB PLAN								
120	S 9.3 p 103	Bushfire	No outside hot work on fire ban days. Hot work permits in operation at other times	HS&E Manager	Ongoing	Ongoing	Complies	No hot works are conducted on fire ban days.
121	S 9.3 p 103	Bushfire	Explosives not permitted during periods of high fire risk.	HS&E Manager	Ongoing	Ongoing	Complies	Explosives not used on site.
122	S9.3 p 104	Bushfire	Electrical tools to be tested and tagged monthly.	HS&E Manager	Ongoing	Ongoing	Complies	Electrical tool equipment and tags were sighted during site inspection.
123	S9.3 p 104	Bushfire	Smoking permitted only on laydown areas where appropriate disposal units are provided	HS&E Manager	Ongoing	Ongoing	Complies	Smoking Permitted sign was sighted at site compound and within the lunch sheds at compound 4.
124	S9.3 p 104	Bushfire	Hazardous substances and dangerous goods kept in secure storage facilities and meet MSDS requirements.	HS&E Manager	Ongoing	Ongoing	Complies	MSDS sheets were sighted and are discussed in inductions. The availability of these could also be reinforced during toolbox meetings.
125	S 9.3 p 104	Bushfire	Only use diesel vehicles on unconstructed roads and at all other times where possible, avoid parking in long grass.	Site Manager	Ongoing	Ongoing	Complies (opportunity for improvement)	Diesel vehicles are primarily used on site. Petrol vehicle permits are issued for petrol vehicles which need to go on site, however none were sighted on site. During the inspection no petrol vehicles were sighted working on site.
126	S 9.3 p 104	Bushfire	Fire equipment in vehicles, substations and wind towers. Water reserves at construction sites.	Site Manager	Ongoing	Ongoing	Complies	Sighted - A fire truck is present at Capital Wind Farm and will relocate to Woodlawn when cutting work is required to wet grass area prior to oxy cutting.
127	S 9.3 p 104	Bushfire	Clearly display site plan with relevant contact details and mitigation information.	Site Manager	Pre-construction	Ongoing	Complies	A copy of the site plan is provided upon induction and clearly displayed at the site compound. . Emergency process and contact details are available on notice board and booklet handed out during induction.
128	S 9.3 p 104	Bushfire	Liaison with emergency services, site familiarisation tours, and workshops. Site maps, site contact details, plus turbine and site access GPS coordinates will be passed on to the Emergency Service providers.	Site Manager	Pre-construction	Ongoing	Complies	A meeting with the Rural Fire Service was recorded in Consultation Register and evidence of ongoing consultation with relevant emergency service providers has been sighted.

Item	Reference (section, page)	Aspect	Compliance Issue	Responsibility*	Target Date	Completion Date	Status	Comments
129	S 9.3 p 105	Bushfire	Regular checks of the Rural Fire Service Website during the fire season. Regularly listen to radio broadcasts and weather forecasts and maintain contact with Taylor Creek Rural Fire Service	HS&E Manager	Ongoing	Ongoing	Complies	SEA HSEC Coordinator checks daily and updates the fire risk noticeboards. This was sighted within the site compound.
CONSTRUCTION TRAFFIC AND TRANSPORT MANAGEMENT SUB PLAN								
130	S 10.3 p 115	Permits for large vehicles	Concurrence with permit requirements for over-size and over-mass vehicles including the use of escort vehicles as required.	SEA/ WWF	Construction	Ongoing	Complies	There is a transport management team that look after heavy vehicle requirements and police escorts are provided for transport of over-size loads (> 30m in length). There is a register of permits on site. Also, truck drivers carry their own permits which are issued by their own company before they enter the site. This is handled by the Logistics Manager on site.
131	S 10.3 p 115	Large vehicles in school zone	Restrict large vehicles passing schools in Goulburn, Tirranville and Tarago. Avoid RAV's on Taylors Creek Road in school times.	SEA/ WWF	Construction	Ongoing	Complies	Site induction explains the need to avoid school zones during school hours. No complaints received.
132	S 10.3.2 p 117	Noise	Construction activities including heavy vehicles entering and exiting the project site and unloading or loading within or adjacent to the project outside the set project hours is forbidden.	SEA/ WWF	Construction	Ongoing	Complies	Heavy vehicles arriving on site near to close of construction hours are instructed to park their vehicles at either the: <ul style="list-style-type: none"> • sign in office on the northern string of turbines outside of normal construction hours; or • on the corner of Collector and Bungendore Rd before entering the project site during normal construction hours
133	S 10.3.3 p 118	Community notification	Program to inform and ensure residents are fully aware of the construction activities, in particular construction traffic accessing the site.	SEA	Pre-construction, construction	Ongoing	Complies (opportunity for improvement)	Woodlawn Wind Pty Ltd has provided evidence of informing neighbouring residents of construction activities on site and any modifications to normal construction hours. Records are kept in the community consultation register. There is no specific community involvement plan for the project, however there is a community protocol on how to manage the community. It would be beneficial for the project to have a community involvement plan to provide a strategy for the ongoing community involvement.
134	S 10.3.3 p 118	Monitoring	Dust problems will be mitigated by the water truck spray that occurs regularly during each day by Palerang Shire Council, check to see if frequency needs to be increased	WWF	Ongoing	Ongoing	Complies	Three separate water trucks were observed on site wetting access tracks to mitigate dust problems on the 29/03/11.
135	S 10.3.4 p 119	Transport routes	Identify routes for heavy vehicles.	SEA/ SWF-haulage contractor	Pre-construction	Ongoing	Complies	Prescribed routes are identified in the CEMP.
136	S 10.3.5 p 119	Haulage	Contractors to provide delivery-specific plans that incorporate legal requirements as well as all requirements of this sub-plan.	SEA	Ongoing	Ongoing	Complies	Schedules are provided by contractors but are subject to change/updated on a daily basis. Legal requirements such as siting driver logbooks, over dimensional permits are performed.
137	S 10.4 p 120	Signposting	Signposting of access routes and entry/exit points.	SEA	Pre-construction, construction	Ongoing	Complies	Entry/exit points to site are clearly marked.
138	S 10.4 p 120	Roads	Pre-dilapidation and post-dilapidation reports for delivery routes to be carried out	SEA	Pre/Post construction	Ongoing	Complies	Final version of pre-dilapidation and accompanying DVD footage sighted.
139	S 10.4 p 120	Monitoring	Regular inspection of delivery routes approaching site and access roads, identify any environmental impacts that require remediation and future prevention.	SEA	Ongoing	Ongoing	Complies	Inspections are being undertaken as per the CEMP. An issue with the condition of one of the delivery routes has been identified and works are currently proposed to upgrade Taylors Creek Rd from a dirt road to a bitumen road by the council.

Item	Reference (section, page)	Aspect	Compliance Issue	Responsibility*	Target Date	Completion Date	Status	Comments
140	S 10.4 p 120	Vehicles	Ensure vehicles use constructed roads and access tracks at all times.	SEA	Ongoing	Ongoing	Non-compliance	Two vehicles were observed to deviate from access track for no valid reason during site inspection. Drivers were reprimanded but no formal note was recorded in any register.
141	S 10.2 p 112	Construction traffic access	Compliance with designated entry routes listed in Table 4.2 of Sub Plan.	SEA	Construction	Ongoing	Complies	Designated entry routes on the project have been used.
142	S 10.2 p 112	Employee access	Access site through the Southern Access Road and a dedicated car park at site compound.	SEA	Construction	Ongoing	Complies	Sighted the access provided on Southern Access Road and the car park located at site compound.
143	S 10.3.3 p 118	Taylor's Creek Road	Adherence to proposed maximum heavy vehicle movement guidelines for the period between 01/02/11 – 25/03/11.	SEA	Construction	Ongoing	Complies	During the specified permit period from the DoP, only two trucks from the project per day were using Taylor's Creek Road. This was sighted in an electronic email copy. The use of Taylor's Creek Road was completed on the 24/03/11 and Council were notified via email. It is noted that construction vehicles are not permitted access to Taylor's Creek Road.
CONDITIONS OF CONSENT (DA 250-10-2004-I dated 4 October, 2005)								
C1	3 – p8	Statutory requirements	All necessary licenses, permits and approvals are obtained and kept up-to-date as required	WWF	Ongoing	Ongoing	Non-compliance	While some licenses, permits and approvals are available on site, there is no evidence of a unified register that is readily available on site. It was not clear whether all were accountable as a register is not being managed for easy access to the information.
C2	10 – p10	CEMP	Preparation of CEMP	WWF	Ongoing	Ongoing	Complies	Ongoing modifications. Revision 2 of the CEMP has been approved by the DoP. As part of the approval, some further changes were requested in the next version, which has since been issued to the DoP for information (Revision 3).
C3	12 - p11	Erection of signs	At least two signs in a prominent place at the site boundary outlining construction site information	WWF	Pre-construction	Pre-construction	Complies	Site boundary signs are clearly labelled and visible.
C4	14 - p11	Monitoring records	Results of monitoring legible	WWF	Ongoing	Ongoing	Complies	CATCON Environmental Inspection Form EF-06 dated 04/04/2011 has been undertaken satisfactorily SEA Site Environmental Checksheet dated 03/03/2011 has been undertaken on site as per the CEMP.
C5	15 - p11	Sampling records	Sample records must show: date, time, location, name/qualification of sampler.	WWF	Ongoing	Ongoing	Complies (opportunity for improvement)	CATCON Environmental Inspection Form EF-06 dated 04/04/2011 has been undertaken satisfactorily, but needs to detail the qualification of the sampler. SEA Site Environmental Checksheet dated 03/03/2011 is been undertaken satisfactorily, but needs to detail the qualification of the sampler.
C6	19 – p12	Construction Hours	Construction activities associated with the development may only be carried out between 7:00 am and 6:00 pm Monday to Friday inclusive, and between 8:00 am and 1:00 pm on Saturdays. No work is to be carried out on Sundays and Public Holidays. Any work other than those specified in (a) – (c) of condition 19 must not be undertaken without prior consent of the DEC.	WWF	Ongoing	Ongoing	Complies	Out of hours work has been approved by the DoP for specific activities as follows: <ul style="list-style-type: none"> Transformer footing concrete pour at substation (complete) Transformer oil filling (complete) Turbine foundation concrete pours on high temperature days in February-March 2011 (complete)
C7	20 – p13	Blasting - noise	Airblast overpressure level must not exceed 115 dB for more than 5% of blasts reported during each period and limit of 120 dB at any time.	WWF	Ongoing	Ongoing	N/A	No blasting has occurred on site.
C8	21 – p13	Blasting - vibration	Ground vibration peak particle velocity must not exceed 5mm /s for more than 5% of total blasts, 10mm /s at any time.	WWF	Ongoing	Ongoing	N/A	No blasting has occurred on site.
C9	22 – p13	Blasting – operation hours	Blasting may only take place between 9:00am and 5:00pm Monday to Friday and between 9:00am to 1:00pm Saturday. Approval from Director-General required for any other times.	WWF	Ongoing	Ongoing	N/A	No blasting has occurred on site.

Item	Reference (section, page)	Aspect	Compliance Issue	Responsibility*	Target Date	Completion Date	Status	Comments
C10	24 - p14	Greenhouse and Energy Mgmt Strategy	Preparation of Management Strategy which includes measures listed in CoC.	WWF	Pre-construction	Pre-construction	Complies	Sighted in CEMP Rev 3.
C11	25 - p14	Air Quality Mgmt Strategy	Preparation of Management Strategy which includes measures listed in CoC.	WWF	Pre-construction	Pre-construction	Complies	Sighted in CEMP Rev 3.
C12	26 – p14	CEMP	Certified by ER	WWF	Ongoing	Ongoing	Complies	Sighted in CEMP Rev 3.
C13	28 - p13	Traffic Transport Mgmt Sub Plan	Preparation of Sub Plan which includes measures listed in CoC.	WWF	Pre-construction	Pre-construction	Complies	Sighted in CEMP Rev 3.
C14	29 – p15	Flora and Fauna Mgmt Sub Plan	Preparation of Sub Plan which includes measures listed in CoC.	WWF	Pre-construction	Pre-construction	Complies	Sighted in CEMP Rev 3.
C15	30 – p16	Construction Soil and Water Mgmt Sub Plan	Preparation of Sub Plan which includes measures listed in CoC.	WWF	Pre-construction	Pre-construction	Complies	Sighted in CEMP Rev 3.
C16	31 – p16	Construction Soil and Water Mgmt Sub Plan	Appropriately qualified soil scientist must be consulted according to schedule identified in CoC. 30.	WWF	Pre-construction	Pre-construction	Complies	Sighted in CEMP Rev 3.
C17	32 – p16	Construction Soil and Water Mgmt Sub Plan	Must consult NSW Office of Water and submit a permit application including design details specified in (a) – (d)	WWF	Pre-construction	Pre-construction	Complies	Consultation Register showed ongoing consultation with Licensing officer from NSW Office of Water and meeting on the 11/08/2010.
C18	41 – p19	Information on development	All documents relevant to the Project's Approval made publicly available onsite	WWF	Pre-construction	Ongoing	Complies	All relevant documents relating to the Project's Approval are available to the public at the site compound and on the website.
C19	42 – p19	Website	Establish and maintain project website as per the CoC.	WWF	Pre-construction	Ongoing	Complies	Website www.woodlawnwindfarm.com.au was sighted as last updated on the 31/03/11.
C20	43 – p19	Community information	Community advised of disruptions	WWF	Pre-construction	Ongoing	Complies	Examples of community notification letters regarding out of hours construction work from Woodlawn Wind Pty Ltd to residents was sighted
C21	44 – p19	Complaints	Postal address, email address and 24 hr hotline.	WWF	Pre-construction	Ongoing	Complies	Contact information provided in community notification letters and Woodlawn website
C22	45 – p20	Complaints register	All records must be legible and up to date.	WWF	Pre-construction	Ongoing	Complies	Complaints register was up to date as of 30/03/11.
C23	46 – p20	Visual amenity	Implement mitigation measures identified in Table 9.5 of EIS.	WWF	Pre-construction, construction	Ongoing	Complies	Mitigation measures mentioned in Table 9.5 including the use of local materials, minimising cut and fill for site tracks and maintenance of revegetation on disturbed areas were sighted.
C24	47 – p20	Signs	No advertising signs on turbines or on site. Corporate logo permissible providing it is not visible by naked eye from publicly accessible viewpoints.	WWF	Pre-construction, construction	Ongoing	Complies	Wind turbines had no corporate logos or any evidence of advertising visible from publicly accessible viewpoints.
C25	48 – p20	Lighting	No external night lighting (other than security lighting).	WWF	Construction, Operation	Ongoing	Complies	No external night lighting on site.
C26	57 - p22	Indigenous Heritage	Preparation of a Cultural Heritage Management Plan which includes measures listed in the CoC.	WWF	Pre-construction	Pre-construction	Complies	The Sub plan CEMP Rev 3 details the measures listed in CoC
C27	59 – p22	Non-indigenous heritage	Construction activities to cease if non-indigenous heritage item is uncovered.	WWF	Ongoing	Ongoing	Complies	No non-indigenous heritage items have been discovered during construction.
C28	60 – p23	Spoil/fill mgmt	Imported fill must be Virgin Excavated Natural Material.	WWF	Construction	Ongoing	Complies	No import fill material has been used during construction
C29	61 – p23	Road Dilapidation	Reports must be prepared for roads listed in CoC	WWF	Pre/Post Construction	Ongoing	Complies	Pre-dilapidation report was provided for viewing. The post-dilapidation report to be completed after completion of construction activities.
C30	62 – p23	Aviation	Construction timetable to be submitted to CASA.	WWF	Pre-construction	Pre-construction	Complies	Consultation Register confirmed that CASA received the timetable on the 02/08/2010.
C31	65 – p23	Bushfire Risk Mgmt Sub Plan	Preparation of sub-plan which includes measures listed in CoC	WWF	Pre-post construction	Ongoing	Complies	The Sub plan CEMP Rev 3 details the measures listed in CoC.

Item	Reference (section, page)	Aspect	Compliance Issue	Responsibility*	Target Date	Completion Date	Status	Comments
C32	66 – p23	Bushfire	Implement measures identified in Sections 20.5.1 and 20.5.2 of the EIS	WWF	Pre-construction, construction	Ongoing	Complies	Evidence of liaison with the local Rural Fire Service and the recognition of activities during periods of high fire danger have been observed.
C33	68 – p24	Electromagnetic Interference	Advise in writing to any residential dwellings within 5 km that an assessment of potential television interference is available to them.	WWF	Pre-construction, construction	Ongoing	Complies	A Letter was sent by Woodlawn Wind Pty Ltd to residents dated 21/12/2010.
C34	69 – p24	Electromagnetic Interference	Undertake mitigation measures to rectify television reception problems identified above.	WWF	Post-construction	Ongoing	Complies	Letter from Woodlawn Wind Pty Ltd to residents stating: <i>If the assessment finds that there has been degradation of your television reception, Woodlawn Wind will undertake to mitigate the signal degradation at its expense.</i> 17 neighbours have taken up Woodlawn Wind Pty Ltd's offer of a pre-construction assessment and assessments were performed during January-February 2011.
C35	70 – p24	Radio communication	Advise operators of two-way, fixed radio links crossing development site – undertake assessment at request of operator.	WWF	Pre-construction	Ongoing	Complies	An email was sent from Woodlawn Wind Pty Ltd to the NSW Police Communications Group on the 04/01/2011.
C36	71 – p25	Radio communication	Undertake mitigation measures to rectify radio reception problems identified above.	WWF	Ongoing	Ongoing	Complies	Email offer of investigating potential radio communication problems was not taken up by the NSW police.
C37	72 – p25	Community contributions	Payment of \$17,200 to Goulbourn Mulwree in accordance with the provisions of Section 94 of the Act.	N/A	Pre-construction	Pre-construction	Complies	Woodlawn Wind Pty Ltd has provided a contribution of \$17,200 to Goulbourn Mulwree in accordance with the provisions of Section 94 of the Act.
C38	73 – p25	Waste Management and Reuse Sub Plan(s)	Preparation of Sub Plan(s) which includes measures listed in CoC.	WWF	Pre-construction	Pre-construction	Complies	The Sub plan CEMP Rev 3 details the measures listed in CoC.
MODIFICATION OF CONSENT (MOD1 dated 12 May 2010)								
C39	3A – p4	Statutory Requirements	Consultation with the RTA and where required obtain a permit for the use of oversized vehicles required for the development.	WWF	Pre-construction	Pre-construction	Complies	Consultation with the RTA has been recorded in the Consultation Register with acceptance of the Draft Traffic and Transport Management Plan received on the 23/08/10
C40	28a) – p4	Traffic Transport Mgmt Sub Plan	Include mitigation measures outlined in Section 14.6 of the EIS and section 10.6 of the SEE.	WWF	Pre-construction	Ongoing	Complies	Mitigation issues listed in EIS and SEE are addressed in CEMP Rev 3 and include pro-active erosion and sediment control plan for on-site roads and laydown areas, routes for over-mass and over-size vehicles, compliance with permit requirements etc.
C41	29d) – p4	Flora and Fauna Mgmt Sub Plan	The Sub Plan must include mitigation measures listed in section 7 of Appendix E of the SEE, and section 8.6 of the main SEE.	WWF	Pre-construction	Ongoing	Complies	Mitigation issues listed in the SEE are addressed in CEMP Rev 3 including aspects such as access track design to avoid clearing woodland, erosion control, and weed control measures.
C42	32 – p5	Construction Soil and Water Quality Mgmt Sub Plan	Consultation with NSW Office of Water for the purpose of ensuring relevant licenses and/or permits for work near watercourses and waterbodies.	WWF	Pre-construction	Ongoing	Complies	Approval and permits obtained from NSW Office of Water are shown in CEMP Rev 3 Page III.
C43	32 A – p5	Construction Noise Mgmt Sub Plan	Sub plan shall include impacts during construction of transmission line and provide details of schedule of construction works outside the hours specified under CoC 19	WWF	Pre-construction	Ongoing	Complies	Scheduled works outside construction hours under CoC 19 have been completed.
C44	57 – p6	Indigenous Heritage	Sub Plan to incorporate mitigation measures identified in section 10.2 of Appendix F of the SEE. Sub Plan to also provide an outline of existing measures that address the management of cultural heritage sites.	WWF	Pre-construction	Ongoing	Complies	Recommendations provided in 10.2 of Appendix F have been observed.

Item	Reference (section, page)	Aspect	Compliance Issue	Responsibility*	Target Date	Completion Date	Status	Comments
C45	60A – p6	Access Tracks	Applicant to provide details on the volumes of material to be excavated from the existing borrow pit to be used for construction of access tracks. Identify impacts resulting from use of gravel pit and the management measures for these impacts to be included in CEMP.	WWF	Pre-construction	Pre-construction	Complies	The volume of material has been included in the CEMP Rev 3 page 25.
C46	67A – p6	Blade Glint	CEMP to include a review of the colour specifications of the turbines.	WWF	Pre-construction	Ongoing	Complies	Addressed in section 10.5 of the CEMP Rev3.
C47	71A – p6	Exploration Mining	Consultation with Industry & Investment NSW and relevant holders of exploration and mining titles that may be affected by the project.	WWF	Pre-construction	Pre-construction	Complies	Sighted in the consultation register. TriOrigin has been consulted and Department of NSW Industry and Investment sent an email confirming satisfaction with the project on the 11/08/2010.
C48	73c – p7	Waste handling	There shall be no on-site wastewater management system associated with operation of the project.	WWF	Ongoing	Ongoing	Complies	No on-site wastewater management system was observed.
MODIFICATION OF CONSENT (MOD2 dated 13 July 2010)								
C49	1 – p2	Land titles	Replacing the description of land to which the development consent applies.		Pre-construction	Pre-construction	N/A	NA
MODIFICATION OF CONSENT (MOD3 dated 29 October 2010)								
C50	6 – p1	Rock Outcrop Habitat	Avoid disturbance to areas of rock outcrops during construction of turbines 21, 22 and 23 and infrastructure defined in the SEE.	WWF	Ongoing	Ongoing	Complies	Rocky outcrop areas in close proximity to construction works were fenced off.
C51	7 – p1	Flora and Fauna Mgmt Sub Plan	29(d) (vii) include mitigation measures included in section 7.6 of SEE.	WWF	Ongoing	Ongoing	Complies	Mitigation measures listed in CEMP Rev 3.
C52	8 - p2	Cultural Heritage Mgmt Sub Plan	Mitigation measures listed in Section 10.4.3 SEE to be included in the CEMP. Include evidence of consultation with key Aboriginal Stakeholders and record issues and resolutions.	WWF	Ongoing	Ongoing	Complies	Local Aboriginal groups included in artefact salvage and reporting. They were provided with the July 2010 Biosis report and provided supportive evidence of avoidance of sites.
C53	9 – p2	Indigenous Heritage	Submission of site recording forms of the three Aboriginal Heritage finds to DECCW and AHIMS.	WWF	Pre-construction	Pre-construction	Complies	The heritage assessment of the additional three turbines was undertaken by Biosis research. The Buru Ngunawal and Pejar Local Aboriginal Land Council groups and DECCW were consulted and control measures in the Cultural Heritage Management Sub Plan reflecting the requirements have been observed.
C54	10 – p2	Air safety	Construction timetable to be submitted to CASA and Airservices Australia.	WWF	Pre-construction	Pre-construction	Complies	CASA acknowledged receipt of construction schedule on 02/08/2010 and ongoing notification between Airservices Australia and CASA.
C55	12 – p2	Radio Communication	Provide a land line between the affected receiver and an antenna located in an area of favourable reception; Implement the mitigation measures listed in section 9.3.2 of the SEE.	WWF	Construction	Ongoing	Complies	Woodlawn Wind Pty Ltd offer to resolve any potential radio communication issues have not been taken up by any of the stakeholders.
Out of hours work – Concrete pour at substation								
P1	DoP letter 5/11/10	Construction Hours	Out of hours work only permitted on November 9 2010 or any one week day within the following week.	WWF	Construction	November	Complies	Concrete pour at substation complete, no complaints about the works were received.
P2	DoP letter 5/11/10	Noise and Lighting	Mitigation measures implemented for out of hours work.	WWF	Construction	November	Complies	Approaches were sought from DoP to do works out of hours, no issues recorded.
P3	DoP letter 5/11/10	Community Notification	Evidence of written notification to all potentially affected landowners provided to DoP prior to commencement of the out-of-hours construction work.	WWF	Construction	November	Complies	Out-of-hours construction notification letters was issued to residents when this had to be done.

Item	Reference (section, page)	Aspect	Compliance Issue	Responsibility*	Target Date	Completion Date	Status	Comments
Out of hours work – Concrete Pours on High Forecast Temperature Days								
P4	DoP Letter 31/01/11	Construction Hours	Concrete truck arrivals timed no earlier than 6am and may not take place before 02/02/11 or after 31/03/11.	WWF	Construction	March	Complies	No concrete trucks were sighted as starting earlier than the mentioned time.
P5	DoP Letter 31/01/11	Construction Hours	Out-of-hours work may only take place on days when temperature is forecast to exceed 32°C	WWF	Construction	March	Complies	Out-of-hours works only occurred on hot days where temperature was forecast to exceed 32°C. This work has now been completed.
P6	DoP Letter 31/01/11	Community Notification	Evidence of written notification to all potentially affected landowners provided to DoP prior to commencement of the out-of-hours construction work.	WWF	Construction	March	Complies	Out-of-hours construction notification letters was issued to all potentially affected landowners provided to DoP.
P7	DoP Letter 31/01/11	Complaints	Evidence of investigating any complaints received, and records of reasonable and feasible measures taken to address the complaints.	WWF	Construction	Ongoing	Complies	Complaints register clearly indicates action taken, date of response to complainant and follow up actions (if applicable).
Out of hours work – Vacuuming, Oil Filling and Filtering for the Substation								
P8	DoP Letter 11/02/11	Construction Hours	Construction work must only occur between the period of 14 February and 17 February and must be completed within 60 hours of commencement.	WWF	Construction	February	Complies	Construction occurred within the approved timeframe and the work has now been completed.
P9	DoP Letter 11/02/11	Noise and Lighting	Application of measures to mitigate noise and lighting impacts, in particular managing noise associated with the entering and exiting of vehicles.	WWF	Construction	February	Complies	No complaints were received during the out-of-hours construction period.
P10	DoP Letter 11/02/11	Community Notification	Evidence of written notification to potentially affected landowners provided to DoP prior to commencement of the out-of-hours construction work.	WWF	Construction	February	Complies	Electronic copy of a letter sent to DoP from Woodlawn Wind Pty Ltd Project Manager with evidence of notification provided to residents attached. Dated 13/02/11.
P11	DoP Letter 11/02/11	Complaints	Evidence of investigating any complaints received, and records of reasonable and feasible measures taken to address the complaints.	WWF	Construction	February	Complies	Complaints register was examined and no records of complaints during out-of-hours construction work was received for audible noise.

* = Where no specific responsibility was assigned in the relevant documentation, it was considered to be the responsibility of the site manager.