

White Rock Wind Farm

Stage 1

PIRMP Test and Review

EPL 20665



Date April 2019

Prepared by: Goldwind Australia (GWA)

Prepared for: White Rock Wind Farm Pty Ltd



WRWF Stage 1 – PIRMP Review and Test Plan – April 2019
Scope of PIRMP Test – Operation activities

1) Self Review of PIRMP

PIRMP Component (Section 1.3)	Aspect of PIRMP Component	Response to PIRMP Test Plan Question	Is PIRMP Update needed
Description of facilities, their location and construction activities	Is description complete? Does it address all facilities and activities?	Section 2, PIRMP. Harmonic filter added. Change to Figure 2.6 with addition of harmonic filter compound	Y Complete 28/3/19
Description and likelihood of hazards	Are description and likelihood accurate and all hazards identified?	Section 3, PIRMP General update to reflect completion of operations	Y Complete 28/3/19
GWA Risk Management procedure	Has an assessment of Risk been completed?	Table 4.1 updated to include harmonic filter information and new risk matrix added (figure 4.2)	Y Complete 28/3/19
	Are all hazards/risks identified?	Yes (Plan updated to include harmonic filters)	Y Complete 28/3/19
	Are mitigation strategies being applied? Check Score assigned for 5% of Hazards	Yes all risk scores reviewed against new matrix	Y Complete 28/3/19
Inventory of pollutants	Is the Inventory accurate? Does it address all pollutants? Are Volumes accurate?	Table 2.1, PIRMP Table 2.1 updated	Y Complete 28/3/19
Pre-emptive actions to be taken	What is proposed? Are the actions appropriate? Are the actions adequate?	Section 5.1, PIRMP	No
Safety / Pollution control equipment	What is status of equipment? Is it available? Is it maintained? What checks are done?	Section 5.2, PIRMP	No
Contact Details	Has phone check been done?	Section 5.3, PIRMP Table 5.1 updated	Yes

PIRMP Component (Section 1.3)	Aspect of PIRMP Component	Response to PIRMP Test Plan Question	Is PIRMP Update needed
	Are People/Numbers correct?		Complete 28/3/19
Communicating with neighbours and the local community	What is the process for communications?	Section 5.4, PIRMP	No
Minimising harm to persons on the premises	Are all elements for minimising harm listed?	Section 5.5, PIRMP	No
Maps relevant to Pollution Incident Response	Are all facilities identified on Maps? Are layouts of compounds available?	Yes Figure 2.6 updated	Yes Figure 2.6 updated
Actions to be taken immediately after an incident	Are actions listed appropriate? Review an example incident	Section 5.7, PIRMP	No
Staff training	How is staff training undertaken?	Inductions and evacuation drills	No

Review conducted by __Kylie Hampel_____ Date: 28/03/2019

Review conducted by __Mark Brabant_____ Date: 28/03/2019

Review conducted by __Jeff Bembrick_____ Date: 28/03/2019

2) Test of PIRMP

Type of Test	<u>Desktop</u>	<input checked="" type="radio"/> Y / N	<u>Interviews</u>	<input checked="" type="radio"/> Y / N 2 interviews conducted	Site Inspection (attached)	Site compound See attached checklist	<u>Practical Drill</u>	<input checked="" type="radio"/> Y / N 04/04/2019 Refer attached
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PIRMP interviews

Interview #1: Interviewer: Kylie Hampel _____ Interviewee: ____ Mark Brabant Date: 4/4//2019

Interview #2: Interviewer: Mark Brabant _____ Interviewee: ____ Site Service Technicians Date: 4/4/2019

3) Summary following Step 1 & 2

Are updates required to the PIRMP based on results of this test? No, the PIRMP was reviewed and updated on the 28/03/2019, it was updated to include harmonic filter information.

Responsible person for update notified? Yes, update to the PIRMP has been completed by the Goldwind Development Compliance team and submitted to the project Environmental Representative for approval and submitted to the EPA.

Update of PIRMP completed? By _Kylie Hampel_ Date: 28/03/2019

Copy of updated PIRMP submitted to EPA following Test Date: 18/04/2019

Updated PIRMP posted on WRWF Website Date: Requested update of Website to include current PIRMP on 18/4/2019.

Attachment 1: Interview Questions

Incident scenario: You have been informed by a technician that a vehicle has reversed into a kiosk transformer at WTG 20 which is now leaking.

PIRMP Component (PIRMP Reference)	Question relevant to PIRMP Component	Correct Response to PIRMP Test Scenario Question	Is PIRMP Update needed?
Description and likelihood of hazards (Section 3)	Describe the hazards/risks posed by this situation	Contamination to, ground and water. Risk to Health and Safety.	N
	What environmental risk level would you classify this incident to be?	Moderate	N

PIRMP Component (PIRMP Reference)	Question relevant to PIRMP Component	Correct Response to PIRMP Test Scenario Question	Is PIRMP Update needed?
GWA Risk Management procedure (Figure 4.2) / Contact Details (Section 5.3)	What would your next steps be once you have been informed of the incident?	Determine if there are any injured Determine spill response requirements to contain spill	N
	Who would you contact once you are aware of the incident and current situation?	Immediately contact: 000 Emergency Services if necessary HSEQ Advisor Service Manager	Update phone numbers – completed
	Where would you find these contact details?	PIRMP (Section 5.3 – Table 5.1)	N
Actions to be taken immediately after an incident (Section 5.7)	What other actions / process should be implemented following the immediate response to the incident?	Contact all Land Owners if necessary; Contact EPA (if required); Plan clean up and disposal; Investigate incident and implement controls to avoid re-occurrence	N
Communicating with neighbours and the local community (Section 5.4)	What would be the appropriate process for communicating with neighbours and the local community?	Liaise Owner Representative to confirm appropriate approach.	N
Inventory of pollutants (Table 2.1)	Which locations across the WRWF site would hazardous material storage occur?	Compounds, in wind turbines and equipment	N
Pre-emptive actions to be taken (Section 5.1)	What are some pre-emptive actions that could be taken to avoid this incident from occurring?	Bollards Worker training for emergency management	N
Safety / Pollution control equipment (Section 5.2)	What safety / pollution control equipment is available that could be deployed in response to this incident?	First aid kits Spill kits	N
	What checks and maintenance are done to avoid this incident?	Periodic inspections	N
Maps relevant to Pollution Incident Response (PIRMP Figures)	Where would I find maps showing the incident location and where relevant pollution controls and facilities are located?	In the PIRMP	N

PIRMP Component (PIRMP Reference)	Question relevant to PIRMP Component	Correct Response to PIRMP Test Scenario Question	Is PIRMP Update needed?
Minimising harm to persons on the premises (Section 5.5)	How would potential harm to persons be minimised?	Follow clean up information and safety requirements listed on the SDS	N
Staff training (Project induction and Environmental Work Method Statements)	How is staff training undertaken to help deal with the event of such incident occurring?	Induction. Staff training such as evacuation drills. Understanding of SDSs.	N

Emergency Drill White Rock Wind Farm
Report

WRWF-Emergency Response Plan – WR-PM-PLN-0029, V4.1

GWA – Verifier
Site Manager Mark Brabant

Date 04/04/2019

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1.1 Attendees at the Emergency Rehearsal

Name of Attendee	Position

1.2 Scenario

An emergency response rehearsal was undertaken on 4th April 2019. The exercise was conducted as a desktop scenario with the scenario as an incident at WTG 20 where a vehicle has reversed into a kiosk transformer which is now leaking

1.3 Emergency Response Activation

Prior to the emergency drill a briefing was conducted by Mark Brabant to all relevant personnel in the main office area of Gwydir Highway compound. Through this discussion all were informed that a phone call would be made to the site manager to report a vehicle had reversed into a kiosk and produced an oil leak. At approximately 07:00 hrs a call would take place.

1.4 The Emergency Scenario

The alarm was raised by Simon Martin who was at WTG 20 and had reversed into the Kiosk causing an oil leak.

Actions taken by Employees after given the scenario

- Call for help
- Contain spill using Vehicle spill kit
- Isolate barricade spill
- Assess the amount of oil / Assessment if area safe for staff to be in the vicinity
- Possible shut down of collector group
- Report to management in Myosh and advise HSEQ department and management as soon as practical and before 24 hours. Estimate if the spill is above the reportable level.
- All contaminated material to be disposed of in the correct waste bin.
- May need to excavate the soil.
- Contact Wilson Transformers is needed to pump out the oil and conduct repairs or replace the Kiosk with the onsite spare.

1.5 Site Access for Emergency Services

The current accessibility to all site entrances is good, site signage is adequate and clearly visible. Hazmat tubes are attached to all main entrances and contain site management phone numbers and emergency contact details.

1.6 Documentation

The current Emergency Response Plan Version is available at Gwydir Highway Compound.

1.7 Areas of Concern (Action) Opportunities for Improvement (Consideration)

The overall result of the emergency rehearsal to sit in line with the requirements of the AS 3745-2010 'Planning for emergencies in facilities' was good.

The below Opportunities for Improvement were discussed with the site team that may improve the overall emergency preparedness and response to this type of event, these were:

- Pre-Approved switching sheets for the case of an Emergency Situation for collector group isolation.
- Familiarization of WTG and what collector group each belongs too
 - o Stickers to be placed near WTG numbers on the kiosk advising what Collector group it is on and which circuit breaker controls the Collector group.
 - o Sticker or a label on each breaker in switch room advising corresponding WTG's on that Collector group.
 - o Drawing alerting of CG in Switch room
- A second large spill kit to be purchased and stored at Kelly's road compound for spills requiring more containment than vehicle kits will be suitable for
- MSDS held in office for the Transformer oil
- Further reviews of plan at a future date
- NSWFB to be invited to site for site familiarization and training of spill kit use
- Reflective stickers on transformers to aid identifying at night or in poor light to minimize risk of this occurring in future
- Contact TransGrid operator to isolate the entire wind farm via the 132Kv circuit breaker if required to isolate in a short period of time.

Site inspection

Inspection Date: 28/03/2019

Composed: 28/03/2019

Created by: Kylie HAMPEL

Inspection Document Number: 00102

Hierarchy

White Rock O&M/Service/GWI/

Details

Date: 28/03/2019 15:30

Status: **Completed**

Accountable: BRABANT Mark

Team: HAMPEL Kylie

Type of Inspection: GWA-HSE-CHE-0031 Environmental Inspection Checklist [O&M]

Send Reminder:

Notify when completed:

Comments: inspection as part of PIRMP review

Inspection Section

Item	Achieved	Score
Weather		
Description of the weather on day of inspection		
Name of Subcontractor/s on site		
01 - General		
1.1 Are environmental incidents or near-misses reported and investigated? Observation: reported through myosh	Yes	5
1.2 Have any complaints been received in relation to environmental matters? If so have they been correctly reported? Observation: complaints reported as required and followed up by David Dettweiler. Discussed at external audit	Yes	5
1.3 Are emergency response plans periodically reviewed/tested? Observation: PIRMP reviewed 2/03/2019. PIRMP test due by 27th April 2019. An action has been placed into myosh for 4/4/19	Yes	5
1.4 Is the site environmental risk register regularly reviewed and updated? Observation: Risk register is under review due to new risk matrix and was last reviewed 06/09/18	Yes	5
1.5 Are overhead lines inspected as per bush management plans? Observation: yes	Yes	5
1.6 Are notification requirements met in regard to noise for any out of hours works?	Yes	5
1.7 Are workers and contractors aware of the environment and heritage sensitivities and constraints on site? Observation: through induction	Yes	5
02 - Soil and Water		
2.1 Are catch drains and road drains in good condition (i.e. not scouring, rock checks in place). Is any maintenance requiring such as additional rock checks or emptying of drains?	Yes	5

Observation: site drive undertaken 27/3/19		
2.2 Is there evidence of erosion or sediment transfer at the Wind Farm? Observation: some evidence however this is being actioned by Fulton Hogan and managed by the EPC	Yes	5
2.3 Are unacceptable levels of dust being generated from works? ** If so, consider mitigation measures such as water cart or postponing works until weather is more favorable.	No	0
03 - Waste and Hazardous Materials		
3.1 Is a register of hazardous chemicals available on site? Observation: register was reviewed 26/3/19	Yes	5
3.2 Are the Safety Data Sheets (SDS) available at relevant locations? Or accessible at that location? Observation: available in office and workshop - SDS were reviewed 26/3/19	Yes	5
3.3 Are fuel/oil/chemicals stored appropriately on site? (i.e. bunding) Observation: All chemicals banded	Yes	5
3.4 Are all spills contained, clean up, remediated and logged into MyOsh as an incident?	Yes	5
3.5 Are spill kits available, fully stocked and easily accessible? Observation: spill kit checked	Yes	5
3.6 Are waste segregation and/or recycling facilities available on site? Observation: Bins checked for correct segregation	Yes	5
3.7 Has generated waste been removed from site and waste disposal records kept? Observation: records available	Yes	5
3.8 Is site tidy and clean from loose rubbish around site?	Yes	5
04 - Flora and Fauna		
4.1 Are weed management commitments being implemented? Observation: spraying program in place	Yes	5
4.2 Have any new noxious weeds emerged within the operational boundary?	No	0
4.3 Are biosecurity requirements adhered to? [if applicable] Observation: vehicle inspections conducted	Yes	5
4.4 Are records being kept in accordance with project requirements(e.g. incidental finds of bird/bat carcasses) Observation: reports submitted where required and carcasses stored	Yes	5

4.5 Do any of the rehabilitated areas or landscaped areas require maintenance?	Yes	5
Observation: EPC are managing this		
4.6 Has any vegetation clearing been undertaken?	Yes	5
Observation: some clearing for solar cables		
General Comments [Please note any other comments regarding inspection]		
Any other comments		
Observation: Site in neat and tidy condition. Rehab progress has been slowed due to dry conditions		
Grand Totals:		110 91.67%

Associated Actions

Attachments