

# Pollution Incident Response Management Plan

Crookwell Wind Farm.  
August, 2024

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# Document Control

Rev:	Date:	Responsible:	Action:	Tested Date:	Reviewed by:	Approved by:
A	Apr 2023	D.CULLEN	Created from CR2 Template			David Santo Tomas
B	May 2023	D.CULLEN	Update after external review		David Bone	David Santo Tomas
C	June 2023	D.CULLEN	Update after plan test – Update outdated contact number for Crookwell Hospital and Fire and Rescue NSW Goulburn	24/06/2023		David Santo Tomas
D	August 2024	D.Cullen	Update after plan test. Update for installation and commissioning phase of project. Update contact details Goulburn Base Hospital, FRNSW Goulburn, APA Gas, ULSC	27/08/2024		David Santo Tomas



## 1. Introduction.

The purpose of this Pollution Incident Response Management Plan (PIRMP) is to give effect to the requirements of the Protection of the Environment Legislation Amendment Act 2011 (POELA Act).

### 1.1. Legislative Context.

In 2012 changes to the POELA Act introduced a new requirement under part 5.7A of the Protection of the Environment Operations Act 1997 (POEO Act) to prepare, keep, test and implement a pollution incident response management plan (PIRMP). The requirements for a PIRMP is set out in:

- Part 5.7A of the POEO Act 1997.
- Part 3A of the POEO Regulation 2009.

In accordance with section 98B of the POEO Regulation this PIRMP is presented in written form. To fulfil the requirements of section 98D of the POEO Regulation, an up to date copy of this PIRMP will be made readily available both the project site (Site Office) and publicly on the company's website (<https://crookwellthreewindfarm.globalpower-generation.com.au/the-project/relevant-documentation/>)

## 2. Background.

The Crookwell 3 Wind Farm (C3WF) Project is located in the southern tablelands region of NSW, approximately 14km southeast of Crookwell, (population approx. 2,500) and approximately 30km northwest of Goulburn (population approx. 24,000). The C3WF site covers an area of 1,100 hectares and is within the Upper Lachlan Shire Local Government Area, and is surrounded by predominantly grazing properties and timber plantation.

The project is owned and operated by GPG Australia.

The project was approved 14 October 2020 for 16 wind turbines with a maximum blade tip height of up to 157 metres, and a total project capacity of approximately 50MW. Energy produced will connect to the grid via the Crookwell 2 wind farm terminal station which in turn connects through a 330kV Transmission Line system. Construction of Crookwell 3 Windfarm commenced in November 2022. The project consists of;

- A network of site tracks to provide access to each turbine on the site and to the substation and a network of underground electrical and communications cables. The electrical substation and switchyard, connecting C3WF to TransGrid's electrical transmission system; and a site control room / facility building.

An Environmental Protection License (EPL) is required for the operation of wind farms in NSW under Protection of the Environment Operations Amendment (Scheduled Activities) Regulation 2013 which commenced on 10 April 2017. A license has been obtained by the Proponent (21601) and it will be maintained by the Owners Representative throughout the life of the project. Monitoring/compliance actions will be undertaken in accordance with the conditions of the EPL. This plan relates to construction activities for the windfarm, and will be updated for the operation phase prior to commissioning.

Crookwell 3 Development Pty Ltd. Is the company that holds the rights for the 50 MW Crookwell 3 Wind Farm. GPG Australia Pty Ltd (GPG Australia) it's the Australian subsidiary of Global Power Generation (GPG), GPG Australia is the 100% owner of Crookwell 3 Development Pty Ltd (C3DPL).

Vestas – Australian Wind Technology Pty Ltd is contracted for the supply and installation of the turbines and associated control infrastructure. TransGrid own and operate the substation shared between Crookwell 2 and Crookwell 3 windfarms. The Principal Contractor for the civil earthworks stage of construction was Denrith Pty Ltd (trading as Divall's Bulk Haulage and Earthmoving – works complete).

## 2.1. Onsite Infrastructure



The access to the Crookwell 3 Wind Farm is via Graywood Siding Road, Woodhouselee, NSW. The site is located on a system of undulating hills and valleys bounded by Woodhouselee Rd to the west, and Graywood Siding Road to the south and east.

The wind farm consists of;

- 16 x Vestas V126 Wind Turbines,
- 33kV underground cable network
- Road and drainage network
- Landscaping and fencing
- 330kV Substation and Switch-yard (owned and operated by TransGrid) (located on Crookwell 2 Windfarm under it's PIRMP)
- 33kV Switch-room inclusive of communications and control equipment (located on Crookwell 2 Windfarm under it's PIRMP)
  
- There are currently two 10' Hazchem containers onsite

There are no workshop facilities on site.

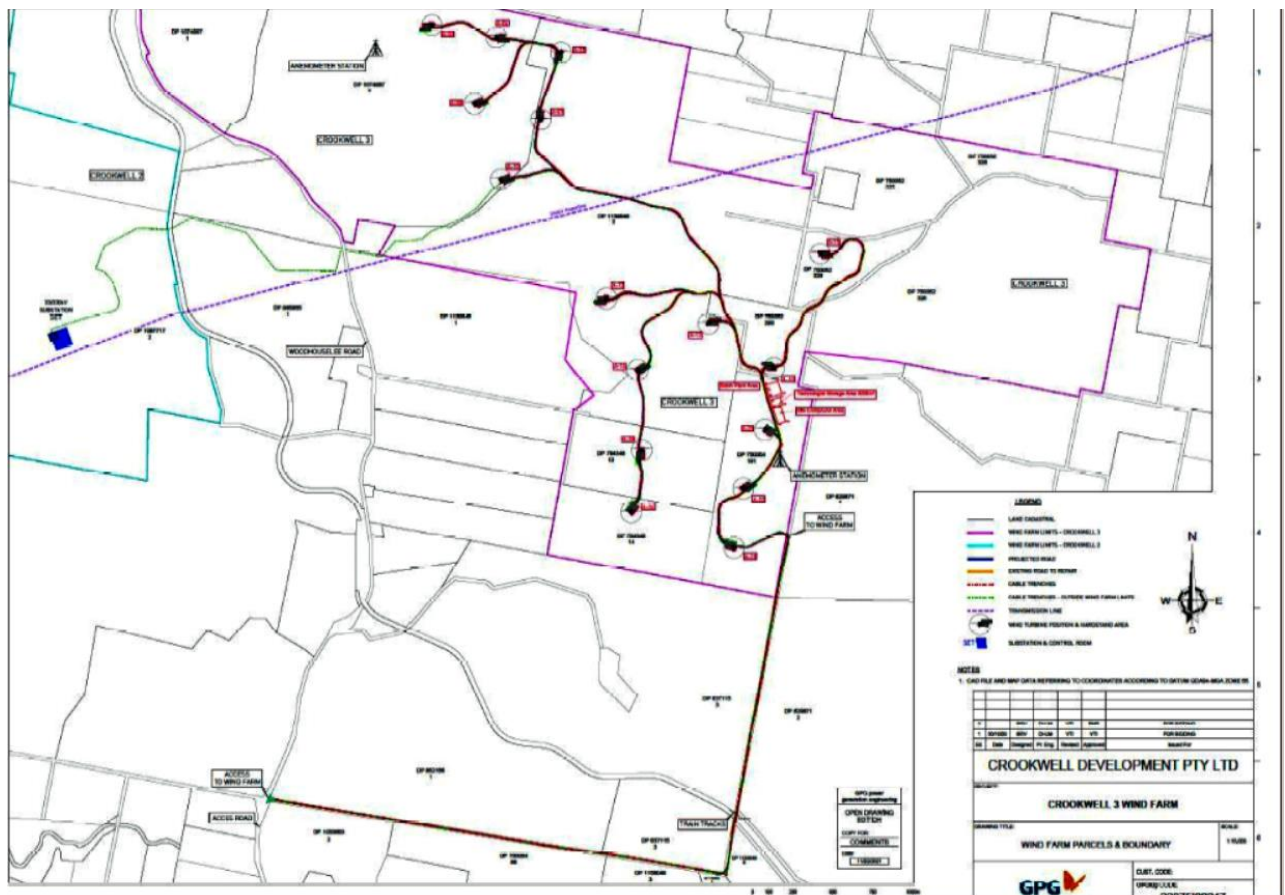


Image 1: Site Location

## 3. Requirements

The specific requirements for pollution incident response management plans are set out in Part 5.7A of the POEO Act and the Protection of the Environment Operations (General) Regulation 2009 (POEO(G) Regulation).

### 3.1. Relationship with other emergency plan

Vestas (as Principal Contractor) has developed an *Emergency Response Plan* (last version: 16 June 2023). That Plan is prepared to describe the procedures that have been implemented to allow personnel to plan for and to respond to emergency situations at the C3WF construction site. It applies to all site level emergencies and to all personnel onsite including Employees, Subcontractors and Visitors.



The Project Manager shall review the plan at twelve (12) month intervals, when significant changes occur (i.e. access and egress changes) and after major emergencies, to evaluate its effectiveness. Principal Contractor status will be handed over to Vestas for the installation phase of the windfarm, and they will provide

TransGrid, as the owner and operator of the substation, has also developed its own *Emergency Response Manual* (MNA-SUB-ERM-270). Transgrid's substation is wholly contained within the envelope of the Crookwell 2 Windfarm, and falls under the Crookwell 2 PIRMP.

The information contained in the *Emergency Response Plan* of Vestas has been taken into account for the update of this Pollution Incident Response Management Plan (PIRMP)

### 3.2. Description and likelihood of hazards

**Pollution incident** means an incident or set of circumstances during or as a consequence of which there is or is likely to be a leak, spill or other escape or deposit of a substance, as a result of which pollution has occurred, is occurring or is likely to occur. It includes an incident or set of circumstances in which a substance has been placed or disposed of on premises, but it does not include an incident or set of circumstances involving only the emission of any noise

A pollution incident is required to be notified if there is a risk of '*material harm to the environment*', which is defined in section 147 of the Protection of the Environment Operations Act 1997 (POEO Act):

- a) Harm to the environment is material if: it involves actual or potential harm to the health or safety of human beings or to ecosystems that is not trivial, **OR**
  - ii It results in actual or potential loss or property damage of an amount, or amounts in aggregate, exceeding \$10,000AUD (or such other amount as is prescribed by the regulations), and
- b) Loss includes the reasonable costs and expenses that would be incurred in taking all reasonable and practicable measures to prevent, mitigate or make good harm to the environment."

All personnel (employer, occupier or other person carrying on the activity) shall report all actual environmental incidents immediately to the WHSE supervisor and/or C3WF Site Manager (GPG) or Engineering Manager (Vestas). It is the responsibility of the WHSE supervisor or nominated person(s) to fully investigate the occurrence with personnel involved in accordance with the 'Accident Investigation and Reporting' in PROSAFETY (corporate tool).

In the event of an environmental incident on site, the C3WF Engineering Manager shall complete within 24 hours:

- Accident/Incident Report
- Accident Statement Report

For incidents where there is not material harm to the environment, notification to the relevant authorities is not required, as defined in section 147 of the Protection of the Environment Operations Act 1997, however application of internal document **NT.00035.GN** *Accident and incident communication*, investigation and follow-up process is required.

#### 3.2.1. Type of hazards

Hazards may be associated with impacts to air, land, heritage, water quality, ecosystems or sensitive receptors (including neighbouring landholders). The environmental aspects of being affected and the main associated hazards are identified below:



<b>Description of Hazard/Aspect</b>	<b>Risks/Opportunities/Impacts</b>
Spillage or leakage of Hazardous Substances	Contamination of ground/ potential runoff to ground and waterways
Waste Generation and Disposal	Contamination of site environments. Affected livestock from waste digestion. Impacts to human health during handling or clean-up activities
Noise/Vibration in Excess of Legislative Requirements	Non-compliance with legal requirements and disturbance of neighbours and wildlife.
Fire	Fire damage to plant, persons, property, farmland and vegetation
Unauthorised Disturbance to Flora and Fauna	Non-compliance with legal requirements and harm to flora and fauna
Erosion and Sediment Discharges	Damage to heritage, sediment and erosion run off.
Introduction of Noxious Weeds	Biosecurity risks

*Table 1. Summary of environmental hazard*

From the identification of hazards generated through work activities on site, Divall's/CD3PL have developed Process Procedures to manage the hazards associated with those activities.

### 3.2.2. Location of Potential hazards

<b>Location</b>	<b>Description</b>	<b>Potential hazards</b>
Wind turbines	<ul style="list-style-type: none"> <li>• Fire or leak from turbine</li> </ul>	<ul style="list-style-type: none"> <li>• Contamination of site environments. Affected livestock from waste digestion.</li> <li>• Impacts to human health during handling or clean-up activities</li> <li>• Contamination of ground/ potential runoff to ground and waterways</li> </ul>
Substation	<ul style="list-style-type: none"> <li>• Managed under Crookwell 2 PIRMP</li> </ul>	<ul style="list-style-type: none"> <li>• Contamination of site environments. Affected livestock from waste digestion.</li> <li>• Impacts to human health during handling or clean-up activities</li> <li>• Contamination of ground/ potential runoff to ground and waterways</li> <li>• Potential to intermittently generate both noise and light pollution</li> </ul>
Site Operations (including waste management area)	<ul style="list-style-type: none"> <li>• Management of site generated waste</li> </ul>	<ul style="list-style-type: none"> <li>• Contamination of site environments.</li> <li>• Air Pollution (from dust generation)</li> </ul>
Hazardous Substance Storage Areas	<ul style="list-style-type: none"> <li>• 200L cumulative of fuels, oils, solvents and lubricants in Hazchem container – products and volumes to be updated upon Vestas mobilisation to site</li> </ul>	<ul style="list-style-type: none"> <li>• Damage to heritage, sediment and erosion run off. Contamination of site environments.</li> <li>• Contamination of site environments.</li> </ul>



Access	<ul style="list-style-type: none"><li>• There is approximately 12km of access tracks within the wind farm footprint.</li><li>• There are 28 individual hardstand areas located adjacent to each of the onsite wind turbines.</li></ul>	<ul style="list-style-type: none"><li>• Dust emissions and sediment release associated with the erosion of running tracks and batter slopes</li></ul>
Weed infested areas	The wind farm is located within actively utilized farming properties.	<ul style="list-style-type: none"><li>• Introduction of Noxious Weeds: biosecurity risks</li></ul>

*Table 2. Location of environmental hazard*



### 3.2.3. EHS RISK ASSESSMENT

Vestas is contracted for the turbine installation and commissioning. The following is a summary of the environmental risks evaluated by Vestas and GPG for installation and commissioning related to spills and pollution:

5280- Crookwell 3 Windfarm Risk Register															
Risk	Risk Event / Hazard	Causes	Impact Type	Consequence	Likelihood	Level	Initial Risk	Existing Control	Hierarchy of Control	Consequence	Likelihood	Level	Residual Risk	Additional Controls Required/Comment	RJE Procedure references
12	<b>Site Establishment</b> Installation of waste system/ablution block/site office & crib hut	Waste spillage Ground disturbance Ground contamination Electric shock Diesel Spillage	Health and Safety/ Environment	3-Medium	3-Possible	Medium	9	Waste system to be vacced and cleaned prior to delivery to site Waste pipes to be capped and sealed to prevent any residual liquid to cause contamination LOTO Spill kits (as required)	Administration	3-Medium	2-Unlikely	Medium	4		Environmental Management Plan RJE HSE-22 - Isolation, Lockout and Tagout Procedure
43	<b>Waste management</b>	Inappropriate waste segregation/contamination	Environment	3-Medium	3-Possible	Medium	9	All construction areas are to be maintained to a high standard All waste materials are to be placed into designated waste bins (general waste, recyclables) provided on site All regulated waste (i.e. oils, fuels) contaminated soil are to be adequately contained and transported off site by an approved waste transporter Cement or concrete slurry is to be contained in a washout pit or receptacle if concrete washout activities are to occur on site	Isolation	3-Minor	2-Unlikely	Low	4		Environmental Management Plan

Risk Matrix:

Risk Matrix			Consequence				
			1	2	3	4	5
			Insignificant	Minor	Medium	Major	Catastrophic
Likelihood	1	Rare	1	2	3	4	5
	2	Unlikely	2	4	6	8	10
	3	Possible	3	6	9	12	15
	4	Likely	4	8	12	16	20
	5	Almost Certain	5	10	15	20	25

Hierarchy of Control:	Consequence					Likelihood	Criteria - Group Level	Criteria - Projects
	Injury / Illness	Environmental Impact	Reputation	Economic / Damage	Social / Community			
<b>1. Eliminate - Remove the hazard.</b>								
<b>2. Substitute - Substitute the hazard for one less hazardous.</b>	Fatality	Serious impact, significant redemption required	International media coverage	> \$1 mill	Disruption rendering community unable to function without assistance	5	Almost Certain	Could / or has occurred more than once a year. Could be expected to occur more than once during project delivery.
<b>3. Isolate - Isolate the hazard or isolate the people.</b>	LTI / RWI	Significant impact, some redemption required	National media coverage	\$250k - \$1 mill	Extensive Damage to property and services, community exposed to safety and environmental risks	4	Likely	Could / or has occurred over a 1 to 2 year period. Could easily occur and generally has occurred in similar projects.
<b>4. Engineering - Modify out or reduce the hazard.</b>	MTI	Release significantly above reportable limit or some local	Regional media coverage	\$50k - \$250k	Damage to property, impact on access to services.	3	Possible	Could / or has occurred within 5 years. Occurred in a minority of similar projects.
<b>5. Administration - Use of procedure/signage/permit/training.</b>	FAI	Release above reportable limit or minor impact	Local media coverage	\$10k - \$50k	Employee / subcontractor behaviour negatively impacts	2	Unlikely	Could / or has occurred within a 5 - 10 years. Known to happen rarely. Infrequent exposure to hazard.
<b>6. PPE - The last line of defence.</b>	Report Only	Small release contained and no impact	No media coverage	< \$10k	Community complaints and dissatisfaction	1	Rare	Could / or has occurred within a 10 - 20 years. No reported occurrence in industry. Rare exposure to hazard. Requires multiple system failures.

### 3.3. Inventory of Hazardous Substances (Pollutants)

Potential pollutants that may be present on the construction site are listed Table 3 together with the storage locations and the quantity of the pollutant. More details on these pollutants are included in the site Safety data Sheets register available in the containers.

*Table 3. Inventory of pollutants*

Product Name	Manufacturer and/or Supplier	Product Use	On Site Storage Location	Emergency Contact Number
Accent Quickspray	Dulux Australia	Spray Paint	Site Use	1800 033 111
Acetone	Australian Solvents and chemicals company	Solvent	Site Use	1300 131001
Ad Blue	Exhaust fluids australia	Additive	Site Use	0423 223839
Alexit BR1275-BladeRep Topcoat 12 RAL	Mankiewicz	Industrial serial paint	Site Use	13 11 26
Alexit BR12HO-Blade Rep Hardener 12	Mankiewicz	Industrial serial paint	Site Use	13 11 26
Alexit BR12T7-BladeRep Thinner	Mankiewicz	Thinner	Site Use	13 11 26
Alexit BR9075-BladeRep LEP 9 RAL 7035 Red	Mankiewicz	Industrial serial paint	Site Use	13 11 26
Alexit BR9075-BladeRep LEP 9 RAL 7035 White	Mankiewicz	Industrial serial paint	Site Use	13 11 26
Alexit BR9075-BladeRep LEP 9 RAL 7035 light grey	Mankiewicz	Industrial serial paint	Site Use	13 11 26
Alexit BR9091 -BladeRep LEP 9	Mankiewicz	Industrial serial paint	Site Use	13 11 26
Alexit BR90HO-BladeRep Hardener 9	Mankiewicz	Industrial serial paint	Site Use	13 11 26
Alexit Thinner 903-36	Mankiewicz	Thinner	Site Use	13 11 26
Ampreg 30 Resin	Gurit	Epoxy Resin	Site Use	13 11 26



Ampreg 3X Fast Hardener	Gurit	Hardener	Site Use	13 11 26
Ampreg 3X Slow Hardener	Gurit	Hardener	Site Use	13 11 26
Ampreg 3X Standard Hardener	Gurit	Hardener	Site Use	13 11 26
Anti Seize - Kema RG-1100 Anti Seize	Vestas - Australian Wind Technologies	Anti seize	Site Use	13 11 26
Aqua Petrosol	Vestas - Australian Wind Technologies	Cleaner	Site Use	13 11 26
Araldite 2015-1 Resin	Huntsman	Adhesives	Site Use	1800 786152
Araldite 2015 Hardener	Huntsman	Adhesives	Site Use	1800 786152
Araldite 2021-A	Huntsman	Adhesives	Site Use	13 11 26
Araldite 2021 B	Huntsman	Adhesives	site Use	1800 786 152
Automotive deisel fuel	BP	Fuel	Site Use	1800 638556
Autospec Silicone	MMP Industrial	General Purpose Lubricant	Site Use	13 11 26
BMF Cleaner	Wurth	Cleaning Agent	Site Use	1300657765
Bonding Paste oldopal glue	Vestas - Australian Wind Technologies	Bonding paste	Site Use	13 11 26
Corrosion Protect Spray	Wurth	Protectant	Site Use	1300 657765
Smoke Test	CRC	Smoke detector Tester	Site Use	13 11 26
CU 800 tin	Wurth	Anti friction agent	Site Use	1300 657765
Delo ELC AntiFreeze/Coolant	Chevron	Heavy Duty Coolant	Site Use	+1 800 009 010
DOS Medium thread locker	Wurth	Adhesives	Site Use	1300 657765
Dry Cleaner	Knud.E.Dan	Oil Remover	Site Use	13 11 26
ELS-33 EI-isol Protection	ITW Spraytec Nordic	Corrosion protection	Site Use	13 11 26
Filr-Fine (vaku-20)-1000-(compA)	Wurth	Hardener	Site Use	1300 657765
FW-1661-Spray	ITW Spraytec Nordic	Leak Detector	Site Use	13 11 26
G-T Topcoat	BGC Plasterboard PTY LTD	Polyester Resin	Site Use	13 11 26



Hempadur 15579	Hempel	Epoxy Primer	Site Use	13 11 26
Hempadur 47149	Hempel	Epoxy Paint	Site Use	13 11 26
Hempel 16490	Hempel	Poly Paint	Site Use	13 11 26
Hempathane Topcoat 55218	Hempel	Poly Paint	Site Use	13 11 26
Hempel's curing agent 98140	Hempel	Curing agent	Site Use	13 11 26
Hempel's curing agent 95370	Hempel	Curing agent	Site Use	13 11 26
Isopropyl Alcohol	Diggers	Solvent, cleaner	Site Use	1300 131001
Industrial Cleaning wipes	Wurth	Cleaning wipes	Site Use	1300 657 765
Janitol	SC Johnson	Detergent	Site Use	13 11 26
Lacquer Spray Light Grey RAL 7035	Wurth	Paint	Site Use	1300 657765
Lacquer Spray Pure White RAL 9010	Wurth	Paint	Site Use	1300 657765
Lacquer Spray Sapphire Blue RAL 5003	Wurth	Paint	Site Use	1300657765
Loctite 270	RS Components	Adhesive	Site Use	(+61)2 91861132
Loctite 401	Henkel	Adhesive	Site Use	1800032379
Loctite243	Henkel	Adhesive	Site Use	1800 032 379
Loctite 7800	Henkel	Lubricant	Site Use	1800 032 379
Loctite 406	Henkel	Lubricant	Site Use	1800 032 379
Methylated Spirits	Reochem Inc.	Solvent	Site Use	13 11 26
Methyl Ethyl Ketone	ACB Group	Industrial solvent	Site Use	13 11 26
Mobil DTE 10 Excel 32	ExonMobil	Hydraulic Fluid	Site Use	13 11 26
Nitrogen	BOC	Inert Gas	Site Use	1800653572
3M Novec 1230 Fire Protection Fluid	3M	Liquid	WTG	1300 742 296
Nyrosten Seilol (Wire Rope Protection)	Unirope	Lubricant	Site Use	13 11 26
Optigear Synthetic CT320	Castrol	Gear Lubricant	Site Use	1800 141474
Polyester Resin	NorGlass Specialty Finishes	Coating Intermediate	Site Use	13 11 26



Prime 27 Resin	Gruit	Epoxy Resin	Site Use	13 11 26
Prime Fast Hardener	Gruit	Hardener	Site Use	13 11 26
Rando WM32	Texaco	Hydraulic Oil	Site Use	1800 033 111
Regular grade anti-sieze	ITW Spraytec Nordic	Assembly paste	Site Use	13 11 26
Rocol Foodlube Grease 2, 1 and 000	ITW Polymers and Fluids	Grease lubricant	Site Use	1800 951288
Rust and Stain Cleaner (Oxalic Acid)	Bosca Chemicals and Cleaning supplies	Cleaner/Bleacher	Site Use	13 11 26
Septone Fiberglass Polyester Resin	ITW Polymers and Fluids	composites fabrication	Site Use	1800 039008
Selley's Kwik Grip	Selley's	Paste	Site Use	1800 033 111
Sikaforce 020 (formerly sikaforce 7720) Part B	Sika	Sealant/Adhesive	Site Use	13 11 26
SikaForce 311 L45 (formerly 7311 L45 GR)	Sika	Sealant/Adhesive	Site Use	13 11 26
Sikaforce 1200	Sika	Sealant/Adhesive	Site Use	13 11 26
Sikaforce 7050 Part B	Sika	Sealant/Adhesive	Site Use	13 11 26
SikaForce 7818 L7 Part A	Sika	Adhesive	Site Use	+61 1800 033 111
SikaForce 7800 Red Part A	Sika	Sealant/Adhesive	Site Use	+61 1800 033 111
Sika Cleaner 205	Sika	Sealant/Adhesive	Site Use	+61 1800 033 111
Sika 521	Sika	Sealant/Adhesive	Site Use	+61 1800 033 111
SikaForce 7800 Part A	Sika	Sealant/Adhesive	Site Use	+61 1800 033 111
Suvo Non Nafta	LHG Group A/S	Undercarriage treatment agent	Site Use	13 11 26
Suvo non nafta spray 500ml (gas)	LHG Group A/S	Rust protectant	Site Use	13 11 26
Texwipe Isopropyl Alcohol 100%	Texwipe	Various Uses	Site Use	703-527-3887
Tuff Auto and Outdoor degreaser Cleaner	Penrite Oil Company Pty Ltd	Water based cleaner	Site Use	1300736748
Unleaded Petrol	United Petroleum Pty Ktd	Fuel	Site Use	1300 131001
VEMAB Rubbing R-5	Wachsfabrik	Grinding paste	Site Use	13 11 26



VPS - Brake Parts Cleaner	Valvoline	Brake Parts Cleaner	Site Use	1800 804 658
Watersafe 60	Blue Iron Cove Pty Ltd	Cleaner	Site Use	61731023970
WD 40	WD 40 Company	Lubricant	Site Use	13 11 26

### 3.4. Safety equipment and preparedness

Personnel are advised of this plan at the site induction, with periodic reminders at toolbox meetings, briefings on the plan and responsibilities or by the conduct of table-top scenarios. Emergency drills shall be performed every 6 months. The following shall be in place:

- First Aid Risk Assessment has been completed and implemented;
- First Aider Poster displayed in key locations onsite;
- Fire Risk Assessment has been completed and implemented;
- Personnel declare medical conditions at the time of their inductions;
- Emergency processes communicated at the inductions;
- Sufficient number of trained first aid personnel on site
- Resources necessary to respond to emergencies are available and accessible, for example:
  - A chemical response kit is available; and
  - Fire-fighting equipment is available;
- The Site Hazardous Substance Register is up to date;
- Material Safety Data Sheets (SDS) are available for the chemicals that are in use on the site;
- Emergency Posters and site contact details are displayed, with current information;
- Responses to major plant /crane incidents (i.e. rollover, etc.) and collapse of ground incidents have been considered in the risk assessments (i.e. SWMS) for such tasks;
- An emergency assembly point is signposted; and
- Availability of emergency services and response times to different parts of the project.

### 3.5. Contact details

Under the POEO Act, the following people have a duty to notify a pollution incident occurring in the course of an activity that causes or threatens material harm to the environment:

- the person carrying on the activity
- an employee or agent carrying on the activity
- an employer carrying on the activity
- the occupier of the premises where the incident occurs

Notification must be given immediately, i.e. promptly and without delay, after the person becomes aware of the incident.

If the incident presents an immediate threat to human health or property – call 000. Fire and Rescue NSW, the NSW Police and the NSW Ambulance Service are the first responders, as they are responsible for controlling and containing incidents.

If the incident does not require an initial combat agency, or once the 000-call has been made, notify the relevant authorities in the following order. The 24-hour hotline for each authority is given when available:

Service	Location	Contact	Distance to Site	Approximate Travel Time
Goulburn Base Hospital	130 Gold Smith Ave Goulburn NSW	(02) 4825 4000	28 km	20 min
Crookwell District Hospital	19 Kialla Rd, Crookwell NSW 2583	(02) 4837 5000	16km	12 min



Fire and Rescue NSW	161 / 157 Bourke St, Goulburn	(02) 4824 7205	29 km	21 min
Goulburn Police Open 24 hrs	274 Sloan St, Goulburn	(02) 4824 0799	30 km	23 min
Ambulance Station	18 Clifford St, Goulburn	(02) 4827 0400	29 km	23 min
SES Goulburn	Lanigans Lane 2580 Goulburn, New South Wales	13 25 00	31 km	24min
Transgrid	N/A	1800 027 253	N/A	N/A
SafeWork NSW	Lower Ground Floor 159 Auburn Street, Goulburn, NSW 2580	13 10 50	30 km	23 min
Environment Protection Authority	11 Farrer Place, Queanbeyan NSW 2620	131 555	123 km	1hr 23min
APA Gas Utility Provider	N/A	1800 676 000	N/A	N/A
Goulburn Murray Water	N/A	1800 064 184	N/A	N/A
CASA	16 Furzer Street Phillip ACT 2606	131 757	N/A	N/A
Upper Lachlan Shire Council	44 Spring Street, Crookwell NSW 2583	(02)4830 1000	15 km	11 min
Telstra	2/217 Auburn St, Goulburn NSW 2580, Australia	13 22 03	N/A	N/A
Host Landowners		Private (GPG has these contacts)	0km	0km

Table 4. Emergency contacts

Note: If the situation warranted calling 000 as a first point of notification, you do not need to ring Fire and Rescue NSW again.

All personnel shall report all actual environmental incidents immediately to the WHSE Supervisor and/or C3WF Site Manager (GPG) or Principal Contractor (Divall's). It is the responsibility of the WHSE supervisor or nominated person(s) to fully investigate the occurrence with personnel involved in accordance with the 'Accident Investigation and Reporting' in PROSAFETY.

Person	Position	Phone
David Santo Tomas	C3WF Project Manager	+61 400 403 271
Daniel Cullen	C3WF WHSE Manager	+61 466 548 257

Table 5. Personal phone

In the event of an emergency, site communications are at least one of the following means:

1. Mobile phone
2. Two Way radios located in machines or hand held

Project Admin and Emergency 2-Way Radio Channel is: 13

During an emergency, personnel are alerted by the call "EMERGENCY, EMERGENCY, EMERGENCY". The Site Supervisor/s (and/or Manager/s) responds.





Other personnel maintain radio silence, unless they are invited to join the discussion on the radio and all machinery and vehicles must park up safe to do so until the all-clear is given.

In any event, the Emergency Plan will include action guidelines in the event of accidents with an environmental impact. All incidents, accidents and non-conformities are undesirable events that are proof of non-compliance with the Integrated Management System, wherefore actions must be taken in order to restore compliance as soon as possible so that any consequences are minimized and so that the causes can be analysed to prevent their repetition.

The basic action criteria for identifying, processing and investigating the causes of accidents, incidents and non-compliant products and/or services are defined in NT.00035.GN *Process of communication, investigation and follow-up on accidents and incidents*, in NT.00036.GN *Classification of incidents*, in PE.00010.GN-GA *Environmental Accidents and Incidents* and in PG.00007.GN *Management of findings of the Integrated Quality, Environment, Health and Safety Management System*

### 3.6. Communicating with neighbours and the local community

The external communications strategy for the C3WF is built around the following fundamental principles:

Provision of relevant information to specific stakeholder groups during operation (website, newsletters, local media, letter drops):

- Provision of a 24-hour complaints line during operation.
- Operation of a Community Consultative Committee (CCC) in accordance with Schedule 4, 3 and 4 of Conditions of Consent
- Quarterly meetings with host landowners

To this extent, local residents would have targeted access to information about the Wind Farm, including formal and informal opportunities to find out about operations, and to provide feedback to the Wind Farm operators.

Relationships with local residents have been established throughout the planning and development phases of the project. The relationships and communication methods used in the past would be continued throughout operation as appropriate and as needed.

The broader community will be kept informed of the project through general media, including newspaper advertisements and press releases, and through the local Council. The website will also be used to post information.

#### 3.6.1. Community Complaints Protocol

C3DPL is committed to minimising the impact of the operations on the local community. To ensure that the community have the opportunity to provide feedback on any issues they may be experiencing, C3DPL have developed a Complaints Management Procedure.

The procedure aims to:

- Provide a variety of communication channels to enable members of the community to comment and lodge complaints regarding operational impacts at all times during the construction period.
- Ensure timely response to complaints and implementation of any appropriate corrective/preventative actions.

The management plan will be revised following the completion of construction to ensure the system's ongoing suitability for operational purposes

Method	Details
Telephone <sup>1</sup>	1800 457 181 (Free Call) or +61 02 6274 3200
Postal	Suite A, Level 3, 73 Northbourne Ave, Canberra ACT 2601
Email	<a href="mailto:info@globalpower-generation.au">info@globalpower-generation.au</a>

Note 1: This number may be directed to a message bank system if the WHSE supervisor is not

able to take the call (including out of hours). All messages left will be responded to within 24 hours.



These contact details may change through the life of the project, in which case the C3DPL will ensure that the community are advised of the new contact details.

### **Complaints Register**

All complaints received will be recorded on Community Complaints Form and also summarised in the Complaints Register. This Community Complaints Form is the input form for the complaints register which is an Excel Database.

The records of the complaint will be maintained for at least four years following the date of the complaint.

### **Procedure**

All environmental complaints will initially be referred to the WHSE supervisor. On receipt of a complaint the WHSE supervisor will:

- Contact the complainant (ie if a message/email etc has been left).
- Complete a Community Complaints form to record:
  - the date and time, where relevant, of the complaint.
  - the means by which the complaint was made (telephone, mail or email).
  - any personal details of the complainant that were provided, or if no details were provided, note to that effect.
  - the nature of the complaint.
- Co-ordinate with the Site Manager/relevant contractors to determine and implement appropriate corrective actions if possible.
- Advise the complainant of the corrective actions and record these on the Community Complaints Form.
- Complete the Community Complaints Register.

If corrective actions cannot be implemented immediately, an incident report will be raised to manage the process. If appropriate, follow up with complainant to review outcome of implemented corrective actions.

### **Responsibilities**

The Community Engagement Officer will be responsible for the management of all complaints received. This includes:

- Responding to the calls of the 1800 phone number and following up any messages left with community members.
- Responding to any email complaints received.
- Responding to any postal complaints received.
- Co-ordination of appropriate corrective actions in response to the complaint.
- Completion of the Community Complaints Form and updating of the Complaints Register.

The Project Manager has overall responsibility to ensure corrective actions are implemented for issues raised and all Community Complaints are closed out.

## **3.7. Minimising Harm to Human Health**

Harm to human health will be reduced utilising methods including:

- Provision of training in accordance with this PIRMP and the ERP for the project.
- Provision of hazard identification and risk control support during the operation of the windfarm, including the provision of equipment and materials necessary to reduce the identified risk.
- Provision of safety management training in accordance with the company specific safety management systems and in accordance with the Construction Environmental Management Plan (CEMP) for the project.
- Ensuring that project personnel are aware of their duties under the Work Health and Safety Act 2011 with respect to their own safety and the safety of other project personnel.
- Ensure appropriately trained people are used where chemical handling is required, e.g. the use of herbicides for weed control on the project.

- Provision of Personal Protective Equipment (PPE) suited to the individual worker and the role they undertake on the project site.
- Provision of designated muster points.
- Provision of defined procedures, e.g. the provision of Safe Work Method Statements (SWMS) or Environmental Work Method Statements (EWMS), where a risk to human health is present.
- Creating a safe environment for the clean-up of the release of a pollutant to avoid the occurrence of a secondary incident during the rectification of the initial incident.



### 3.8. Incident Response

In the event of an emergency, the initial response is critical to ensure that the necessary assistance is provided in a timely manner to safeguard life. The initial response process comprises the following critical steps:

- Notification of an emergency and recording of facts;
- Organizing emergency assistance to the incident scene; and
- Maintaining contact with scene and seeking external response if appropriate.

It is important to note that any site personnel may be called upon to assist with the internal emergency response and assume a role for which they hold the relevant skills/competencies/ experience. For example, qualified first aid personnel may be required to render first aid, competent operators to assist with vehicle recovery, etc. The main objective of the site emergency response will be to:

- Stabilise the situation to the extent of resource capability
- Take steps to prevent escalation in severity until external emergency services arrive

No person is to provide assistance, if doing so places that person or others at risk. Wait for external assistance to arrive where required.

#### 3.8.1. Spill

When a spill occurs involving possible contamination of the soil or contamination of watercourses or the generation of hazardous waste, personnel will proceed as follows:

##### During the emergency

- Take suitable personal protection measures for working in the spillage zone.
- To the extent that this is possible, immediately cut off and isolate the spillage source.
- Cordon off the zone and isolate it as much as possible
- 
- If the spillage flows **into a watercourse**:
  - and the containment and absorption barriers are not in place, they shall be positioned immediately downstream from the spillage point.
  - If containment and absorption barriers are already in place, the need for further barriers shall be assessed and their state shall be examined in case it is necessary to strengthen them.
  - The Authority shall be informed immediately.
- If the spillage has flowed **onto the ground**: apply the products available (emulsifiers, degreasers or blanket) to confine and reduce the spillage. The cleaning method will be:
  - *Used oils and liquid fuels*: recover them by physical-mechanical means. Clean with an absorbent, inert material. Sawdust is not recommended because it is easily combustible.
  - *Chemical products*: isolate the spilt product and establish its nature and amount in order to determine the degree of mobility, persistence and toxicological properties. If the product is a liquid, clean with an absorbent, inert material.
  - *Paint*: confine and clear up the spillage with absorbent and non-combustible materials, and put the paint in a container that is suitable for subsequent disposal in compliance with local by-laws. Clean preferably with detergent, rather than solvent
- Deposit the products collected in airtight and isolated places/containers
- Store the materials used for cleaning the spillage as hazardous waste, in compliance with the legislation in force.

**Measures to be taken after the emergency** If the spillage has flowed **onto the ground**:



- The absorbent materials shall be removed together with the amount of contaminated soil necessary to prevent the contamination from spreading.
- These shall be treated as hazardous waste and the materials shall be properly managed by an authorised waste management company and authorised transporter.
- The depth and extension of the extracted zone shall be assessed.
- The excavated zone shall be filled in with materials similar to those extracted from the layers of soil removed.
- In natural ground that is not going to be taken up by permanent facilities, the upper organic layer shall be decompacted and prepared in order to improve the conditions that will enable the new species to take root.

If the spillage has **flowed into a watercourse**:

- The containment barriers shall be removed when it is clear that all the spillage has been removed; these barriers shall be managed as hazardous waste.
- If it was an accident, the water quality in the course affected shall be monitored.
- If necessary, clean the banks with suitable resources (for example, skimmers or pumps that enable the spillage to be collected and transferred from the surface to a storage tank; manual collection with rakes or shovels; applying a substratum that absorbs the excess fluid, etc.)
- If the contingency has affected wildlife, the species affected or that might have been affected in the area shall be rescued immediately and temporarily settled somewhere else that is free from pollution, until the species concerned can be returned to their place of origin.

### **3.8.2. Major contamination of waterways or storm water or fire in chemical storage**

In this case, personnel should:

1. Notify GPG Site Supervisor who will assume responsibility of the response;
2. **DO NOT ENDANGER YOURSELF OR OTHERS;**
3. Assess the area and make it safe (pedestrians, traffic, collapsing ground, gas leaks, electricity, no sparks or flames);
4. Help any injured person; and
5. Stabilise the situation, if possible (divert water to a suitable site, stop any leaks, build a bund around a spill).

GPG Head Office notifies regulatory authority, if necessary (do not restore the site until regulatory authorities have inspected the site).

### **3.8.3. Dangerous goods**

A dangerous goods event would involve a spill or leakage, or coming into contact with or swallowing, of a hazardous substance during transport, handling or storage.

SDS for chemicals used on site are available at the site office. A register of chemicals held on site is available at the site office. As a minimum, a 170L Spill Response Kit will be maintained permanently on site.

Emergency call on the site radio Notify others in the immediate area Notify Project Manager or Supervisor.

Determine the danger posed by the substance (refer SDS), is it:

- Toxic?
- Flammable?
- Explosive?

Use the Spill Response Kit to contain and absorb spills. Notification of the EPA where appropriate shall be performed by the customer or GE Renewables ANZ EHS Leader.

All contaminated waste shall be disposed of by an approved waste vendor at an appropriately licensed site.



### 3.9. Evacuation

In rare circumstances, it might be necessary to evacuate the whole site. The decision to evacuate will be made by the senior person on the site in consultation with the person who is at the site of the event.

The order to evacuate will be given to all personnel on site by word of mouth, two-way radio on Channel 80 or by mobile phone. When the instruction to evacuate is received, personnel move to the designated Muster points.

During the evacuation, personnel will check that all personnel in the vicinity are joining the evacuation, including GPG/Divall's employees, Contractors, Visitors, Client's personnel. At the assembly point, a head count will be taken to verify that all personnel are accounted for.

Personnel do not leave the assembly point unless they have been instructed to do so by a Supervisor. The senior person on the site will declare when the site is clear for a return to work.

### 3.10. Maps

Detailed maps of the layout of the wind farm are included in Appendix 1. The location of potential pollutants is as identified and described within Section 3.3 *Inventory of pollutants* of this PIRMP.

### 3.11. Staff training

Training on the C3WF project site relevant to this PIRMP includes:

- Site induction training.
- Emergency response training (provided in accordance with the site ERP).
- Spill response training.

Site inductions are valid for a period of up to two years. Inductions are provided by way of a refresher delivered every two years or where changes are made to the induction. Records of all site inductions are retained.

Site inductions have been developed to include information from this PIRMP, including:

- Details of hazards and controls.
- Incident response information.
- Duty to report environmental harm.

The objectives of training provided on this PIRMP are the:

- Provision of information to prevent the occurrence of a pollution event causing material harm.
- Provision of guidance on how to respond to a pollution event, including notification requirements.
- Provision of post-incident responsibilities.

#### **Emergency Drill: 6 monthly**

During the drill, the Site Manager and HSE Advisor should observe the conduct of personnel and on completion, conduct a debriefing with all participants as a group. Any deficiencies must be identified and the plan, information and training amended as appropriate.

## 4. Testing and Maintenance plan

In accordance with section 98E of the POEO Regulation, this PIRMP will be subject to testing that ensures that information included within the plan is accurate, up to date and is capable of being implemented in a workable and effective manner.

As required by section 98E testing of the PIRMP will be undertaken on the following basis:

- Routinely at least once every 12 months.
- Within one month of any pollution incident to which the Environmental Protection Licence for the wind farm relates.
- If there is necessary modify or include something after Emergency Drill



The 12-month testing will be undertaken indicatively in January on an annual basis (unless otherwise revised during the preceding 12 months).

The testing history for the PIRMP is described in the version control at the start of this PIRMP.

## **Appendix 1**

