

Flyers Creek Wind Farm

Pollution Incident Response Management Plan

Document Authorisation

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16/05/2025	1	Josh Fitzgerald Nelson Mckie	Shane Kelly Katherine Olney Reshma Surendran	Matt Dickie	Initial issue. Based on construction PIRMP : Document number IAU-EPL-FLCGE65-004_0A
25/06/2025	1.1	Nelson Mckie Michael Harrison	Katherine Olney	Matt Dickie	-Updates to Pollutants and Hazardous Chemicals. -Addition of PIRMP Test on the 18/06/25 -Updates to Appendix D/E Post Testing.

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1. Purpose

FLYERS CREEK WIND FARM PTY LTD holds an Environment Protection Licence with the NSW Environment Protection Authority (EPA) for Flyers Creek Wind Farm. As per the Protection of the Environment Operations Act 1997 (the POEO Act), the holder of an Environment Protection Licence must prepare, keep, test, and implement a pollution incident response management plan (PIRMP) that complies with Part 5.7A of the POEO Act in relation to the activity to which the licence relates.

If a pollution incident occurs during an activity so that material harm to the environment (within the meaning of section 147 of the POEO Act) is caused or threatened, the person carrying out the activity must immediately implement this plan in relation to the activity required by Part 5.7A of the POEO Act.

A copy of this plan will be kept at the licensed premises, will be made available on request by an authorised EPA officer and to any person who is responsible for implementing this plan.

Parts of the plan will also be available on a publicly accessible website, or with a copy of the plan provided to any person who makes a written request. The sections of the plan that are required to be publicly available are set out in clause 98D of the Protection of the Environment Operations (General) Regulation 2009.

This plan has been developed in accordance with the Protection of the Environment Operations Act 1997, Protection of the Environment Operations (General) Regulation 2009 and EPA's Guideline: Pollution incident response management plans.

ENVIRONMENT PROTECTION LICENCE (EPL) DETAILS		
Name of licensee: (Including ABN)	FLYERS CREEK WIND FARM PTY LTD	
	ABN: 69 130 749 012	
EPL number:	21404	
Premises name and address:	FLYERS CREEK WIND FARM PTY LTD, FLYERS CREEK WIND FARM, ERROWANBANG NSW 2791	
Company or business contact details	Name	Josh Fitzgerald
	Position or title	FCWF Site Manager
	Business hours contact number/s	(02) 8031 9951
	After hours contact number/s	(02) 8031 9950
	Email	Joshua.Fitzgerald@iberdrola.com.au
Website address	https://www.iberdrola.com.au/our-assets/asset-map/operating-renewable-energy-assets/flyers-creek-wind-farm	
Scheduled activity/activities on EPL	Electricity Generation	
Fee-based activity/activities on EPL	Electricity Works (Wind Farm) 0-450 GWh annual generating capacity	

Pollution incident – person/s responsible		
PIRMP Activation	Primary Contact	Josh Fitzgerald
	Name of person responsible	Josh Fitzgerald
	Position or title	FCWF Site Manager
	Business hours contact number/s	(02) 8031 9951
	After hours contact number/s	(02) 8031 9950
	Email	Joshua.Fitzgerald@iberdrola.com.au
	Secondary Contact	
	Name of person responsible	Shane Kelly
	Position or Title	Regional Operations Manager
Notifying Relevant Authorities	Business hours contact number/s	0457 706 051.
	After hours contact number/s	0457 706 051
	Email	Shane.Kelly@iberdrola.com.au
Notification should be made by a person with an appropriate level of authority within the company. Managing response to pollution incident	Name of person responsible	Katherine Olney
	Position or title	QHSE Manager
	Business hours contact number/s	+61429023976
	After hours contact number/s	+61429023976
	Email	katherine.olney@iberdrola.com.au

2. Notification of relevant authorities

Identify any persons or authorities required to be notified as per Part 5.7A of the POEO Act in the case of a pollution incident that causes or threatens to cause material harm to the environment.

Relevant authorities include:

- Fire & Rescue NSW and/or Rural Fire Service as applicable – 000 (first notification)
- EPA – 131 555
- NSW Health (nearest public health unit)
 - See www.health.nsw.gov.au/Infectious/Pages/phus.aspx for local contact details.
- SafeWork NSW – 131 050
- Local authority (usually the local council) in which the pollution has occurred.

Note: The local council and public health unit will vary depending on the location of the pollution incident. For mobile plant licences the PIRMP will need to include the person or people who are responsible for identifying the local authority and nearest public health unit.

DEPARTMENT	CONTACT NUMBER/S:
Fire & Rescue NSW / Rural Fire Service, NSW Police and NSW Ambulance Service	000
EPA	131 555
NSW Health	Bathurst Public Health Unit (02) 6330 5880 0428 400 526 (after hours)
SafeWork NSW	131 050
Blayney Shire Council	(02) 6368 2104
Cabonne Shire Council	(02) 6392 3200
Department of Planning and Environment	1300 420 596

*Any other identified organisation or agency requiring notification (if applicable) e.g. Water NSW, Department of Planning Industry and Environment, Roads and Maritime Services.

3. Notification of neighbours and the local community

- Neighbours and the local community in the vicinity¹ of Flyers Creek Wind Farm include:
 - Private landholders
 - Carcoar Public School, Lyndhurst Public School and Blayney Public School
 - Millthorpe Little Learning Centre, Circle Early Learning and Blayney Early Learners
 - Orange Health Service
 - Gosling Aged Care and Moyne Aged Care Centre
- Communication of an incident, early warning, and regular updates to the community, will consider the:
 - nature of the incident.
 - phase of response (e.g., initial community notifications, update communications, clean-up/recovery)
 - types of neighbours who need to receive information.
- The community will be notified in the following ways:

- incident notifications on the Iberdrola website within 5 business days of the incident occurring.
- social media
- telephone calls, SMS, or other messaging systems.
- emails to community representatives (as agreed through community consultation)
- letterbox drops.
- doorknocking of affected community members.

4. Description and Likelihood of Hazards

The Flyers Creek Wind Farm Environmental Management Plan (EMP), details hazards to human health or the environment associated with the activities outlined in the EPL, which are:

- Incorrect disposal of waste material leading to contamination of local environment
- Incorrect storage and containment of waste material
- Release of fuel into local environment from plant in the event of a fuel line failure
- Incorrect storage of dangerous and hazardous materials such as gases and fuels leading to fire, explosion or escape of substances into the environment.
- Incorrect identification of environmentally sensitive areas leading to subsequent impacts during windfarm operation and maintenance
- Uncontained release of oils or lubricants to the local environment during routine service activities or operation
- Unexpected find of contamination during windfarm operation.
- Inadequate training of site personnel in the event of a spill.
- Personnel entering restricted areas to undertake operations / maintenance activities.
- Contamination of land by the introduction of new noxious weeds/pests from new plant equipment

The FCWF Risk Register details the likelihood of any such hazards occurring, ranging from common (once per month) to Highly Unlikely (once in >20 years). The likelihood of these hazards may be exacerbated by:

- power failure.
- natural disasters such as bushfires, floods, or major storm events
- materials and equipment brought onto the premises by contractors.

- vegetation and other combustible material on or bordering the premises.

The detailed risk assessment, including the risk matrix used to assess hazards for Flyers Creek Wind Farm is attached in Appendix A – Aspects and Impacts Risk Register.

5. Pre-emptive actions to be taken.

Pre-emptive actions to be taken to minimise or prevent any risk of harm to human health or the environment arising from the activities undertaken at the premises are listed in the Flyers Creek Wind Farm - Emergency Response Management Plan (ERMP), the FCWF Site Induction and Safe Work Method Statement (SWMS) development and implementation.

- Vehicle pre-inspections, wash-downs, hygiene requirements and response procedures
- Plant inspections.
- Staff training through daily pre-start meetings, toolbox talks and one on one conversations.
- Compliance with all environmental management plans
- Incident reporting
- Site environmental inspections and audits
- Pre-clearance checks and establishment and maintenance of No-Go Zones
- Project Layout development to avoid known sensitivities and constraints.
- Servicing only on hardstand Temporary catch trays used during vehicle service activities.
- Provision of spill kits on site
- Accompaniment of service workers/visitors to site by fully inducted staff
- Provision of water carts on site
- Access area permit system
- Storage of dangerous, hazardous, or combustible materials that meets statutory requirements.
- Provision of bunding and other stormwater mitigation measures
- Waste Management including containment, segregation, disposal, and record keeping.
- Transport of all waste by appropriately licenced operators to licenced facilities.
- Warning systems on ablution storage tanks

6. Inventory of Pollutants

Provide an inventory of potential pollutants on the premises or used in carrying out the activity to which the licence relates:

LOCATION/TANK	MAX. QUANTITY OF FUEL STORAGE	CONTENTS	COMMENTS
Sub-Station Compound Class 3 Flammable Goods Bulk Storage Container	10,000L	Mixed Class 3	Mixed Class 3 storage including paint products
Sub-Station Compound Class 3 Flammable Goods Bulk Storage Container	4,000L	Mixed Class 3	Mixed Class 3 storage including paint products
Sub-Station Compound Class 3 Flammable Goods Bulk Storage Container	250L	Mixed Class 3	Mixed Class 3 storage including paint products
Sub Station – IBDR Workshop Class 3 Dangerous Goods Storage Cabinet.	250L	Mixed Class 3	Mixed Class 3 storage including paint products
Sub Station GE Workshop Class 3 Dangerous Goods Storage Cabinet.	250L	Mixed Class 3	Mixed Class 3 storage including paint products

7. Safety Equipment

Safety equipment or other devices used to minimise the risks to human health or the environment and to contain or control a pollution incident include:

- Spill Response Kits
- Personal Protective Equipment (PPE)
- Temporary Catch Trays

- Water Carts
- Bunding
- Waste Containment and Segregation Bins
- Warning Systems on Ablution Storage Tanks
- Safety Data Sheets (SDS)
- Fire Extinguishers / Fire Hoses
- Back-up Power Generators
- Eye-Wash Stations

8. Communicating with Neighbours and the Local Community Members

As detailed in the FCWF Community and Stakeholder Communication Protocol, regular consultation with the community and landholders is expected to be undertaken during operation. The Wind Farm Site Manager is responsible for providing accurate information to representatives of Flyers Creek Wind Farm, including forewarning of matters that may have negative impact in / on the community.

The FCWF Site Manager is responsible for community and Stakeholder notifications, agreements, contacts, records and correspondence.

The **Community Notification Protocol in Appendix D** outlines the process of how notification of minor, serious and major pollution incidents will be communicated to stakeholders and the local community.

Iberdrola has developed a Community and Stakeholder Engagement Management Plan, which details specific information given to neighbours and the local community.

9. Minimising harm to persons on the premises

To minimise risk to human health and the environment the site has an Environmental Aspects and Impacts Risk Register (**Appendix B**) which includes identified hazards, the sources for those hazards, and the appropriate risk assessments and control measures required to manage them.

The **Pollution Incident Management Protocol in Appendix D** further serves to minimise impacts to those on site when such an incident occurs.

10. Maps

Refer to **Appendix C** for an overview of where hazardous materials are stored and spill control equipment is located across the site.

11. Actions to be taken during or immediately after a pollution incident.

As detailed in the Flyers Creek Wind Farm Emergency Response Management Plan ERMP (IIAU-GPL-FLCGE22-0203) Section 9, the following response shall be undertaken in the event of a major hazardous substance spill.

Danger	Is spillage life threatening? - If so, evacuate the immediate or affected area contact FCWF Site Manager. For hazardous chemicals which have been classified as low risk obtain the SDS from the SDS database. For all medium to high-risk chemicals the SDS must/will be available at the immediate location of the work activity where the chemical is being used. Undertake all spills management and associated clean up requirements in accordance with the ERMP.
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If Not Life Threatening:

Advise	The Wind Farm Site Manager and Wind Farm HSE Representative
Assess and determine	Consider the nature, size, type of spill and the control measures that may be required to effectively contain/absorb the spill
Stop	Stop the source of the spill or leak wherever possible.
Contain	Contain the leak/spillage from spreading if possible & restrict access to essential personnel
Absorb/Clean	Absorb and clean up the spill in accordance with the SDS procedure
Collect/Dispose	Place all captured spill and contaminated clean up materials in an appropriate approved and bunded area awaiting collection and disposal by a licensed regulated waste transporter to an approved facility
Report	The incident and all associated details to the relevant HSE Personnel
Assist	In the Incident/Injury Investigation
Replace and restock.	Replace and restock used spill kits /clean-up materials and lost equipment

Monitoring	Where required, undertake appropriate soils and/or water quality monitoring (by a competent and trained person) at the impact site following the spill
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As detailed in the Flyers Creek Wind Farm Fire and Emergency Response Plan the following response shall be undertaken in the event of a hazardous substance spill or exposure to a hazardous material. This is to be employed to reduce the risks of harm to human health both during and immediately after the pollution incident.

STEP 1	Immediately raise the alarm. Ensure FCWF Site Manager and HSE Manager is informed.
STEP 2	Arrange for immediate onsite first aid treatment using SDS as a basis for any treatment.
STEP 3	FCWF Site Manager to arrange for the casualty to be transported to medical facilities. If transport is not medically advised, keep casualty comfortable and await onsite medical attention – In such instances the Site Supervisor should arrange to escort medical personnel to the casualty.
STEP 4	In the event of a minor spill, prevent other persons entering the contaminated area
STEP 5	If safe to do so, attempt to isolate the spill. Ensure SDS is referenced prior to any action and that PPE is suitable. Ensure all ignition sources, including smoking, are isolated where safe to do so.
STEP 6	Ensure SDS is available for Emergency Service Response.
STEP 7	FCWF Site Manager to initiate steps to notify the injured person's next of kin and all key stakeholders. The Incident must be reported.

Clean-up from a pollution incident may include the engagement of contractors and use of clean-up equipment such as waste disposal tankers and waste disposal facilities. Flyers Creek Wind Farm has taken out appropriate insurances and/or has contingency funds available.

12. Co-ordinating with Persons

The procedures to be followed for coordinating with the authorities or persons to be notified is outlined in Appendix E – Incident Notification Protocol.

As outlined in Section 8 of the ERMP, The FCWF Site Manager is responsible for Incident management and response ensuring appropriate environmental responses and controls are implemented. This will entail on site liaison with the relevant crew(s) and provision of verbal advice to both respond to the incident and advise on any amended work practices required to avoid repeat occurrences.

13. Staff Training

All staff shall complete a site-specific environmental induction prior to undertaking any work on the site, which includes spill management and response as outlined in Section 7 of the ERMP. Continual training will be provided to staff on this PIRMP and will include a mix of the following:

- toolbox talks.
- formal staff training on incident management
- desktop scenario exercises
- field exercises.
- incident exercises (including exercises in conjunction with emergency services).

14. Testing and Updating of the PIRMP

It is a legal requirement to test this plan every 12 months and within one month of any pollution incident. Testing of this plan is to be carried out to ensure that the information included in the plan is accurate and up to date and the plan is capable of being implemented in a workable and effective manner. Testing will cover all components of the PIRMP, including the effectiveness of training.

Desktop assessments will require site personnel, responsible for testing the plan, to select a scenario from the Aspects and Impacts Risk Register (Appendix B) and ensure that all the required controls for the scenario are in place. During the desktop assessment environmental control and PPE equipment supplies will be inspected to ensure that they are functional and that there are enough materials to ensure that emissions relating to the scenario can be controlled effectively and safely. A debrief will follow testing and this will be recorded in the relevant section of the PIRMP.

In addition to scheduled testing, the PIRMP will be tested within one month of any pollution incident that occurs. This includes near misses and incidents that have the potential to cause material harm. A debrief will follow testing and this will be recorded in the PIRMP.

If significant changes are made to plant and equipment or operation at Flyers Creek Wind Farm, the PIRMP will be reviewed to ensure it remains relevant.

A new risk assessment will be done to determine if the risks have changed, whether new preventative measures are needed to minimise the risks and potential impact of an incident, and to ensure the PIRMP is effective if it needs to be activated.

Detail the dates on which the plan was updated:

14.1. PIRMP Testing Details

DATE	TESTED BY	TYPE	AREAS FOR IMPROVEMENT
02/12/2022	Lee Beecheno (GLC Environment Advisor)	Desktop simulation – Fuel Spill	PIRMP required updating of contact names due to staff changes in FCWF. Spill risk and response to be considered with greater detail in GLC Hazcon
27/10/2023	Mick Wooley / Mandy McLeod (GLC Environment Advisors)	Field based drill	Drill went very well. No specific actions for improvement.
2/11/2023	Mick Wooley (GLC Environment Advisors)	Field based drill	Drill went well. No specific actions for improvement.
06/12/2023	Mick Wooley (GLC Environment Advisors)	Field based drill	T34 Emergency Nacelle Evacuation and Grass Fire Emergency Response. Drill went well. No specific actions identified for improvement.
18/06/2025	Michael Harrison Nelson Mckie Ryan Ellis Josh Fitzgerald	Field based drill	T7 Chemical Spill, Area for improvement is use of UHF across the full site. Potential to investigate repeater.

Next scheduled testing date 2025 – This will focus on operational response as the windfarm is expected to be in Operations at this date.

14.2. PIRMP Update Details

DATE UPDATE OCCURRED	REASON FOR UPDATE	DETAILS OF UPDATES	DATE THE UPDATED VERSION UPLOADED TO WEBSITE (IF APPLICABLE)
07/07/2022	PIRMP required under EPL	Construction PIRMP developed	01/08/2022
02/12/2022	PIRMP testing required	Staff changes meant name and contact details needed to be updated. Areas of improvement identified after testing of PIRMP.	03/12/2022
		Staff changes meant name and contact details needed to be updated.	

DATE UPDATE OCCURRED	REASON FOR UPDATE	DETAILS OF UPDATES	DATE THE UPDATED VERSION UPLOADED TO WEBSITE (IF APPLICABLE)
27/10/2023	PIRMP testing required	Updates to chemical register Improved site compound layout map	17/11/2023
18/10/2024 (commenced)	PIRMP Update for Handover to FCWF Operations	Complete document update for application in Operations. Update of name and contact details for Operations. Updates to Chemical Register Updated site compound / layout map	23/5/25
25/06/2025	Minor Updates from PIRMP Testing and Site Chemical Review	-Updates to Pollutants and Hazardous Chemicals. -Addition of PIRMP Test on the 18/06/25 -Updates to Appendix D/E Post Testing.	30/06/2025

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Appendix A: FCWF Hazardous Chemicals Register

A Chemical Register is maintained in the FCWF Hazardous Chemicals electronic SDS Database

FCWF Manifest

MATERIAL NAME	VENDOR	TOTAL		VENDOR ISSUE DATE	GOLD SDS ISSUE DATE (LATEST)
		VOLUME	UNIT		
SUPERCLENE	ITW AAMTech	40	L	01/03/2011	
CRC Contact Cleaner	CRC Industries	0	kg	10/03/2023	04/04/2025
Hammersley Eclipse	Hammersley	5	L	01/04/2009	10/03/2023
Hammersley Glisten	Hammersley	5	L	01/05/2005	10/03/2023
Hammersley Master Touch	Hammersley	20	L	01/09/2021	10/07/2024
PPG TRADE PRO INTERIOR LOW-SHEEN WHITE	PPG Architectural Coatings	15	L	10/02/2025	
236500FV TRADE PRO UNDERCOAT	PPG Architectural Coatings	20	L	15/06/2022	
WHITE KNIGHT ULTRA PAVE GARAGE FLOOR MEDIUM GREY	PPG Architectural Coatings	1	L	10/02/2025	
Amsoil Power Transmission EP Gear Lube Oil ISO-320	Amsoil	2000	L	20/02/2017	12/05/2025
CRC Electrical Parts Cleaner (Aerosol) -2019	CRC Industries	400	g	20/08/2021	20/08/2021
CRC CDT Cutting Oil (Aerosol)	CRC Industries	300	g	28/03/2023	23/12/2022
ChemTools R28 Nickel Antiseize	Chemtools Pty Ltd	300	g	01/11/2020	20/08/2021
Bar's Bugs	HO Wiles	375	mL	01/03/2023	
Mipa Lack Spray "Ral Color"	Mipa	4000	mL	22/08/2024	10/03/2023
RELEST Hardener PUR 1306 Clear I385-1306	International Farg (a part of Akzo Nobel)	3	L	16/07/2019	
Toyo Truck Farm Grease Red	Campbells Wholesale (now known as CW Brands)	450	g	21/06/2021	
Simple Green All-Purpose Cleaner	Simple Green (Sunshine Makers)	4	L	12/03/2024	23/12/2022
889-Line Dulux Metalshield Steel Primer Spraypak	DuluxGroup	900	g	04/09/2015	
Rivolta S.L.X. Top Spray	Fuchs Lubricants (Australasia) Pty Ltd	400	mL	18/01/2023	
Fuchs Lubricants Ceplattyn BL	Fuchs Lubricants (Australasia) Pty Ltd	475	kg	04/05/2022	04/04/2025

Wurth BMF Cleaner 5 Lt	Wurth (Wurth Australia)	5	L	21/09/2023	24/03/2021
Glitz Goo and Stain Remover	Pascoe's	1	L	22/06/2020	
HYSO F WIPES (Formerly PF SOLVENT WIPES)	Socomore	4	kg	24/11/2015	
HAND SANI SOAP	Applied Products Australia	10	kg	03/12/2020	
SEASOL HOSE ON	Seasol International Pty Ltd	4	L	26/02/2021	
LPG (liquefied petroleum gas)	Supagas	12.7	kg	22/11/2022	23/12/2022
Apparent Glyphosate 450 Herbicide	AIRR Apparent	40	L	21/08/2023	10/03/2023
DEGREASER CONCENTRATE	BRS Australia	5	L	01/04/2021	
eucalyptus oil	CLEAN PLUS CHEMICALS PTY LTD	1	L	01/07/2024	25/09/2023
3M W9910 Wind Tape Adhesion Promoter	3M	950	mL	28/11/2022	06/03/2025
ALEXIT BR9075-BladeRep LEP 9 RAL 7035 lichtgrau / light grey	Mankiewicz Coatings, LLC	800	g	03/09/2013	
Ampreg 3X Slow Hardener	Gurit	2	kg	09/02/2023	
Ampreg 31 Resin	Gurit	22.2	kg	09/02/2023	
Hytorc AW Hydraulic Oils, ISO 22, 32, 46, 68, 100, 150, 220	Hytorc	5	L	02/12/2019	06/02/2023
Hempel's Curing Agent 95090	Hempel	4	L	20/02/2024	
Concrete Cleaner	Norglass Paints and Specialty Finishes	5	L	10/12/2018	20/08/2021
Norglass Paints Paving Paint - Slip Resistant & Smooth	Norglass Paints and Specialty Finishes	8	L	10/12/2023	17/01/2021
PRIMING FLUID RED ***Obsolete***	RLA Polymers Pty Ltd	375	mL	06/02/2023	06/02/2023
sulfur hexafluoride	Inventec Performance Chemicals (a part of Dehon Group)	222.25	kg	08/04/2016	20/06/2022
Simple Green Crystal Simple Green Industrial Cleaner & Degreaser	Simple Green (Sunshine Makers)	20	L	04/03/2024	04/04/2025
Rust-Oleum Ultcov 2X +SSPR 6PK AUS Gloss Black	Rust-Oleum (a part of RPM International)	340	g	12/04/2023	10/12/2021
isopropanol	Recochem	0	kg	28/02/2022	23/12/2022
Diggers Graffiti Remover	Recochem	1	L	13/03/2024	
nitrogen	Speed Gas	5.1	m³	01/11/2016	20/06/2022
oxygen	Speed Gas	4.7	m³	01/09/2020	20/06/2022
acetylene	Speed Gas	3.2	m³	01/09/2020	09/12/2021
Dow Grazontm Extra Herbicide	Corteva Agriscience	0	kg	20/02/2025	28/11/2020

DowDuPont Vigilant li Herbicide acetone	Corteva Agriscience Sydney Solvents	5960	mL	14/09/2021	30/01/2024
isopropanol	Sydney Solvents	20	L	14/10/2020	23/12/2022
RELEST WIND HS TOPCOAT RAL7035	Sydney Solvents	20	L	14/10/2020	23/12/2022
Selleys Silicone 401	International Paint (a part of Akzo Nobel)	7.5	L	11/06/2019	
HEMPATHANE HS 55610	Selleys (a part of Nippon Paint)	620	g	02/09/2022	10/07/2024
APPARENT WOODY EXTRA HERBICIDE	Hempel	40	L	26/11/2024	
alcohols C9-11 ethoxylated propoxylated	AIRR Apparent	40	L	21/07/2023	
Multi-Purpose Grease	AIRR Apparent	40	L	13/05/2024	20/06/2022
Armor All Ultra Shield Protectant	Shell	5400	g	26/08/2020	
MOBIL SHC GREASE 681 WT	Energizer	500	mL	11/09/2023	
ALEXIT BR12HO-BladeRep Hardener 12 farblos / transparent	AMPOL AUSTRALIA PETROLEUM PTY LTD	864	kg	29/11/2022	
Dy-Mark Spray & Mark Water Based All Colours	Mankiewicz Coatings L.L.C	220	g	22/01/2019	
Rapidstick™ 8222 Threadlocker		300	g		23/12/2022
Apparent Concussion 540 K Herbicide		1000	mL		19/02/2025
Valvoline All Fleet E900 SAE 15W-40 Engine Oil		40	L		15/11/2022
MMP Balchan Professional Zinc Rich Cold Galvanising Paint		40	L		31/10/2022
Dry Moly Spray		800	g		10/03/2023
CRC CO Contact Cleaner		11200	mL		10/03/2023
OKS 221		700	g		07/01/2025
Penrite Marine Four Stroke Outboard Engine Oil		1600	mL		16/06/2025
Candan INOX - MX3- Aerosol		2.5	L		10/07/2024
AIRR Apparent Red Vegetable Marker Dye		600	g		10/07/2024
Gurit Ampreg 3X Fast Hardener		20	L		29/11/2022
Hammersley Hydrosolv		5	L		13/11/2024
Chemtech Diesel Power Extra		20	L		08/03/2024
Valspar AU540 PU Topcoat Enamel Activator		2	L		27/10/2023
Pascoe's Glitz Dishwashing Liquid		1	L		13/06/2025
		1	L		06/08/2024

Weicon Anti-Sieze AS Standard Assembly Paste	450	g	10/03/2023
Klüber Klüberplex BEM 41-132	54	kg	04/04/2023
Bremer & Leguill Rivolta S.U.W. Spray	500	mL	10/03/2023
Hammersley HD Degreaser	20	L	22/12/2023
De Beer 1-151 Uni Thinner Stand	1	L	10/03/2023
Weicon Cleaner Spray S	500	mL	10/03/2023
Sika Sikaflex-221	8100	mL	10/03/2023
Ultracolor Spray Paint - Colour Range	340	g	20/08/2021
Hempel'S Curing Agent 97050	2.52	L	23/11/2022
International Paint RELEST Wind PuttyContour Grau / Grey I373-3615	800	g	10/12/2021
Castrol Radicool NF	300	L	18/02/2025
Dulux 770-Line Weathermax HBR Part A	12	L	10/03/2023
Valvoline Tectyl MULTIPURPOSE AMBER	4000	mL	04/11/2024
Rapidstick™ Anaerobic Adhesives Primer (Aerosol)	900	g	28/03/2023
Exxon Mobil DTE 25 Ultra	2000	L	29/03/2022
Hempel Hempadur Avantguard 750	20	L	10/03/2023
Ampol Automotive Diesel Fuel	400	L	14/08/2023
Dy-Mark Zinc Guard Quick Dry Enamel Selected Colours	325	g	23/12/2022
Sika Sikaflex-521 UV	0	kg	18/11/2022
Campbells GSA All Purpose Silicone	8400	g	20/08/2021
Ergon HyVolt I	50792	L	10/07/2024
Valspar TB540 PU Topcoat Enamel High Gloss	4	L	10/10/2023
Plummas Type N Gel Blue	500	mL	10/03/2023
Cabac EJCG125	125	g	10/07/2024
ChemTools Rapidstick 8243 Threadlocker	50	mL	17/10/2022
Hempels Thinner 08450	5	L	10/07/2024
DuluxGroup 32T-Line Dulux Survey Marker Spraypak	2450	g	25/01/2024
Kenso Agcare Ken-Met 600 WG Herbicide	500	g	29/09/2023

Henkel Loctite 7649		128	g		08/06/2023
Hammersley Hi Gene		20	L		15/04/2021
Dulux 539-W0092 Cabots Cabothane Clear Waterbased Matt		4	L		25/06/2021
SST Envirodye Red		0	kg		10/07/2024
Gurit (Spabond 440 Resin)		5775	mL		18/10/2024
CRC 2-26		1350	g		06/04/2021
Hempel Hempaprime Multi 500 Base		20	L		10/03/2023
HB Body Spray Fill		10000	mL		09/11/2020
Dy-Mark Line Marking – All Colours – Aerosol		5000	g		18/11/2022
Dulux 384-Line Dulux Metalshield Premium Enamel Topcoat		4	L		10/07/2024
Nyrosten Seilol Compound		0	kg		22/01/2021
Plumma's Type P Green		125	mL		08/06/2023
GalMax™ 25G Bright Silver 2-in-1 Galvanising Paint (Aerosol)		800	g		05/03/2025
Hempel'S Curing Agent 97043		8	L		05/09/2022
WD-40 Aerosol		400	mL		26/01/2022
Victorian Deluge 1000 Wetting Agent		0	kg		10/03/2023
BP Unleaded 91		60	L		10/03/2023
52L-Line Dulux Wash&Wear Interior Low Sheen		20	L		23/12/2022
Dulux 976-84593 Weathermax HBR Part B		2.4	L		10/03/2023
Pascoe's Glitz Bleach		5	L		28/06/2024
International Farg Relest Hardener Pur 3013 Orange I385-3013		800	g		10/03/2023
Campbells Anchor Lacquer Spray, Paint		1500	g		10/03/2023
Septone Degrease-All		0	kg		23/12/2022
Nf Contact Cleaner (Post 1 March 2023)		400	g		04/04/2025
Dulux 31A-Line Metalshield Epoxy Enamel Gloss		8	L		10/07/2024
Atlantic Lubetac 150 Chain and Bar		10	L		10/07/2024
TYPE N CLEAR SOLVENT CEMENT - Master		0	kg		09/02/2023

Fuchs Gleitmo 585 K		190	kg		29/12/2020
UNIMIG Anti-Spatter		400	g		04/04/2025
Hammersley Spraysan		20	L		10/07/2024

Appendix B: Aspects and Impacts Register

Flyers Creek Risk Register						
Identifying the Risks						
Define the risk			Risk Owner	Inherent Risk Classification	Existing Controls	Residual Risk Classification
What is the Situation?	What is the Event?	What is the type of Consequence?				
Spread of weeds	From the clearing of roads, road maintenance etc	Degradation of environmental and economic value of the land	Site Manager	High	Elimination, Substitution, Engineering: No deviation from roads. Included in site induction. Administration, PPE: Weed spraying program in consultation with landowners Hardstand Clearing for bushfire mitigation kept to 20m from WTGs to minimise environmental disruption	Medium
Biodiversity and environmental values	Land Clearing - for turbines, hardstands - over clearing for road maintenance, bushfire management	Impact on native species, loss of habitat values and erosion	Site Manager	High	Elimination, Substitution, Engineering: Clearing permits and boundaries Administration, PPE: Permit to work Clearing for bushfire mitigation kept to 20m from WTGs to minimise environmental disruption. Pre-clearing ecology surveys completed for WTG cleared areas.	Medium
						1. Develop process for routine inspection of cleared areas including turbine areas and overhead power lines.

Biodiversity and environmental values	Wind Turbine Operations	Impact of listed Bird and Bat Species	Site Manager	Low Elimination, Substitution, Engineering: Administration, PPE: Bird and Bat Management Plans Parrot Survey as per BBAMP	Low	Implementation of the Bird and Bat Adaptive Management Plan (BBAMP) with appropriate follow up action in the event of collision triggers. Confirm that Turbines have been installed to have no perching places Removing dead tree habitats from within 100 m of turbines. Removing carcasses from areas near turbine in accordance with BBAMP monitoring program. Preventing Lambing near turbines Education to farmers (shooting fauna) to not leave dead carcasses within the range of turbines No lighting installed on turbines Trigger events and reporting requirements
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Visual impact of windfarm	Construction of windfarm, BOP, offices and associated infrastructure	Visual impact, Community complaints	Site Manager	Low	Elimination, Substitution, Engineering: EPA approvals / Planning approvals process seeks consultation and places conditions on visual amenity Clearing Zones Administration, PPE: OEMP's Community and stakeholder engagement Implementation of the Design and Landscape Plan (DLP) including specific screen planting at the Substation and Switching Station Work underway with landowner of land around substation to plant screening trees	Low	Note: - On request tree screening is to be provided at non associated receivers within 4km to reduce impacts where practical. - Tree planting on associated lease properties (as requested)
Oil Leaks and Visual	Oil Leaks on blades and the nacelle	Visual Impact, Environmental Impact	Site Manager	Medium	Elimination, Substitution, Engineering: Administration, PPE: Ad-hoc Visual inspections - feedback provided to GE GE 6 and 12 monthly inspection programs. Online monitoring of leaks - alarms "pitch oil low"	Low	
Ground erosion around assets (hardstands, around transformers)	Caused by weather, animals.	Damage to assets and infrastructure. Injuries to people (manual handling).	Site Manager	Medium	Elimination, Substitution, Engineering: Administration, PPE: Inspections around turbine towers (6 and 12 monthly).	Low	1. Conduct periodic inspections of underground cable routes. Consider use of drone technology.

Shadow flicker	Shadow flicker caused by operation of Wind Turbines	• Shadow flicker exceeding the NSW Government guidelines of 30 hours per year		-EA conditions - Analysis of shadow flicker part of application for approval - OEMP	• Validation of shadow flicker modelling undertaken during EA to confirm compliance. • Turbines are set back at least 1 km from all neighbouring residences reduces shadow flicker effect (EA 9.12, 9.13 and 16.8 & CoA D23)	
Visual characteristics	Visual impact of turbines and ancillary infrastructure on local community	-Dissatisfied Landowner due to the impact on visual characteristics	High	-Existing OEMP and Landscape plan - Consultation with landowners - Installation compliance as per the designed layout	Medium	Implementation of the Design and Landscape Plan (DLP) including specific screen planting at the Substation and Switching Station On request tree screening is to be provided at non associated receivers within 4km to reduce impacts where practical. Tree planting on associated lease properties (as requested)
					Low	Confirm that Low reflectivity finish utilised on turbine blades which minimises potential for glint. Confirm that Turbines set back at least 1 km from all neighbouring residences.
Blade Glint	Sun reflecting off the blade causing annoyance to local community or distraction to drivers on local roads	-Dissatisfied Landowner due to the impact on visual characteristics	Medium	-Product compliance to the spec - Compliance to DA conditions - Consultation with Stakeholders		

Other infrastructure not complying to Env conditions	Associated infrastructure e.g. access tracks, cabling, transmission line, are not rehabilitated as per plan - substation highly visible	-Dissatisfied Landowner due to the impact on visual characteristics	Medium	-Product compliance to the spec - Compliance to DA conditions - Consultation with Stakeholders	Low	Confirm that the Temporary tracks are removed and reseeded after construction works. Routine monitoring and maintenance as required by the OEMP during operation
Vegetation clearance	Excessive clearing of native vegetation for operational aspects (i.e. access tracks)	-Noncompliance to Env conditions	Medium	- Approval conditions - Mapping of the cleared and rehab areas - OEMP - External audit confirming compliance	Low	Any vegetation removal will be undertaken in the presence of an ecologist Operational Clearance Permit to be developed Areas to avoid clearance are clearly marked and communicated Operation permit to work off the access tracks
Operational noise	Exceedance of operational noise limits detailed in the EPL - Exceedance of noise limits during maintenance activities	- Non-compliance to Env conditions	Medium	Project designed to ensure that operational noise is compliant with noise guidelines. Community complaints procedure established as part of OEMP Noise Management sub plan.	Low	- Compliance testing at nearest relevant receivers carried out within three months of commissioning to verify noise standards are not exceeded.

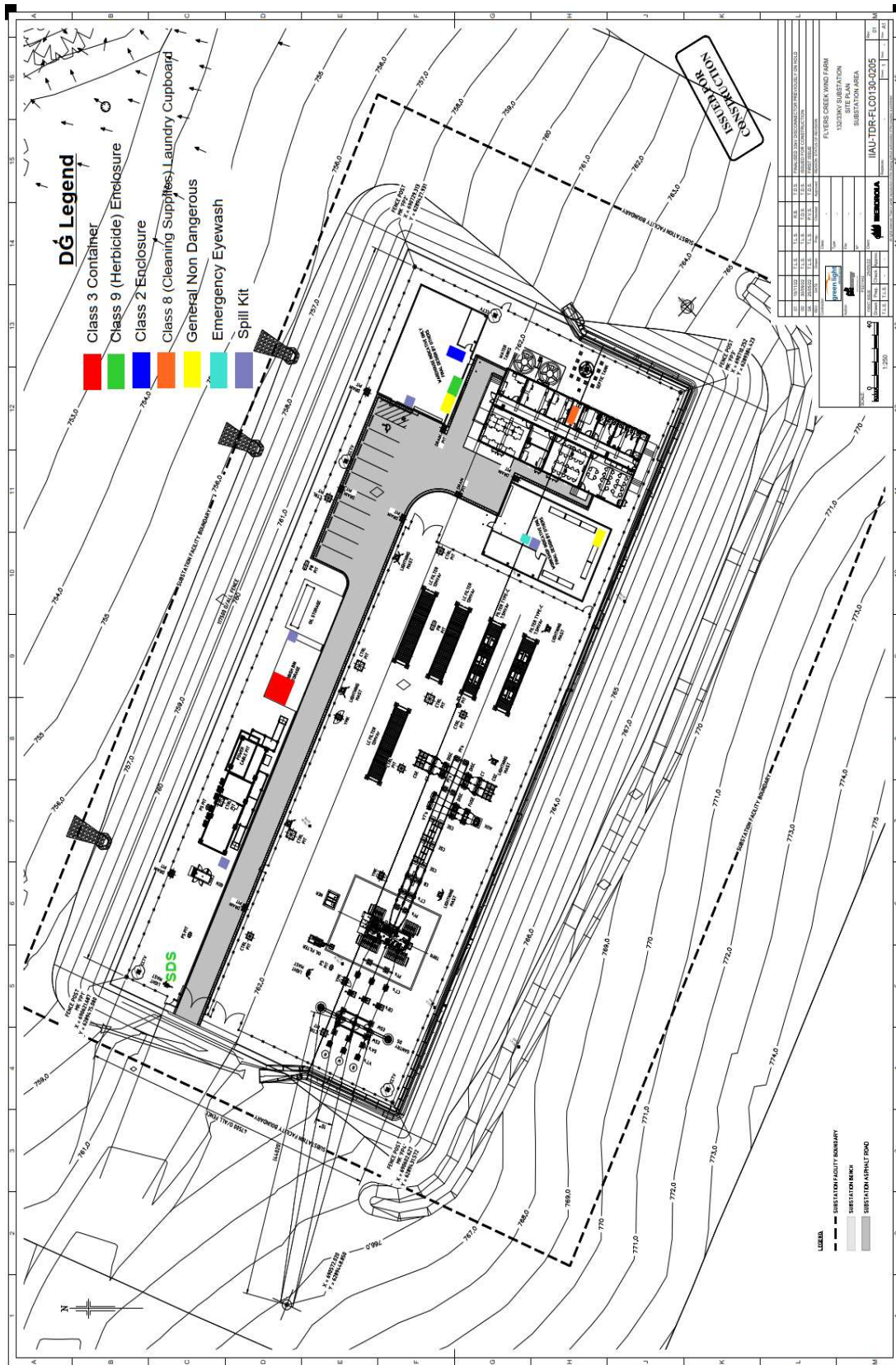
Off-site traffic impacts	Movement of oversize and over mass vehicles in the area impacting traffic flows during maintenance activities Heavy loads causing degradation to locals' roads	Stakeholder complaints - Non-compliance to consent conditions	High	Traffic and Access Management Plan (TAMP) to be implemented during operations. - Ongoing Community information and awareness program (CCC) during operations - Warning and general signposting on access routes - Provision Traffic controls where needed - Restrictions on timing of delivery of large equipment by oversize trucks. Community complaints procedure - Induction to staff and communication to neighbours	Low	
On-site impacts	Operation of plants in the access tracks	Operational vehicles driving off road causing disturbance to natural habitats and causing erosion and sedimentation. Degradation of access tracks due to traffic	Medium	Internal access tracks near environmentally sensitive areas have been avoided or guided by relevant specialist - At conclusion of construction, any tracks no longer needed will be restored and revegetated. - Induction of staff to ensure awareness of traffic management requirements specifically to stay on existing formed tracks.	Low	
Operation of wind turbines	Possible interference with Radio broadcasts and reception in the area.	Non-compliance to consent condition	Medium	Siting of wind turbines considered communications impacts and potential issues addressed. Overseas and local experience demonstrates that radio broadcasts are unlikely to be impacted by wind farm operation.	Low	TV Reception issues became evident for the surrounding area. Sat dishes installed on properties as a temp measure. Team working on permanent solution.

Operation of wind turbines	Possible interference with mobile phone reception in area	Non-compliance to consent condition	Medium	Follow up compliance monitoring during operations to confirm compliance with criteria. In the unlikely event of deterioration, investigations and steps to rectify the situation would be carried out.	Low	No evidence of interference.
Operation of wind turbines	Potential to interfere with point-to-point microwave communication links in the area	Non-compliance to consent condition	Medium	Follow up compliance monitoring during operations to confirm compliance with criteria. Turbine locations have taken into account communication links and adjustments have been made. Micro siting will take into account, and confirm, no impact upon point-to-point links.	Low	No issues
Operation of wind turbines	Rotating blades of wind turbine causing interference with digital television signals	Non-compliance to consent condition	Medium	Follow up compliance monitoring during operations to confirm compliance with criteria.	Low	TV Reception issues became evident for the surrounding area. Sat dishes installed on properties as a temp measure. Team working on permanent solution.
Greenhouse gas emission	Operation task and energy consumption	- Exceedance of GHG emission than the assessed limit in GHG emission plan	Medium		Low	To develop asset specific Climate Change plan for operations

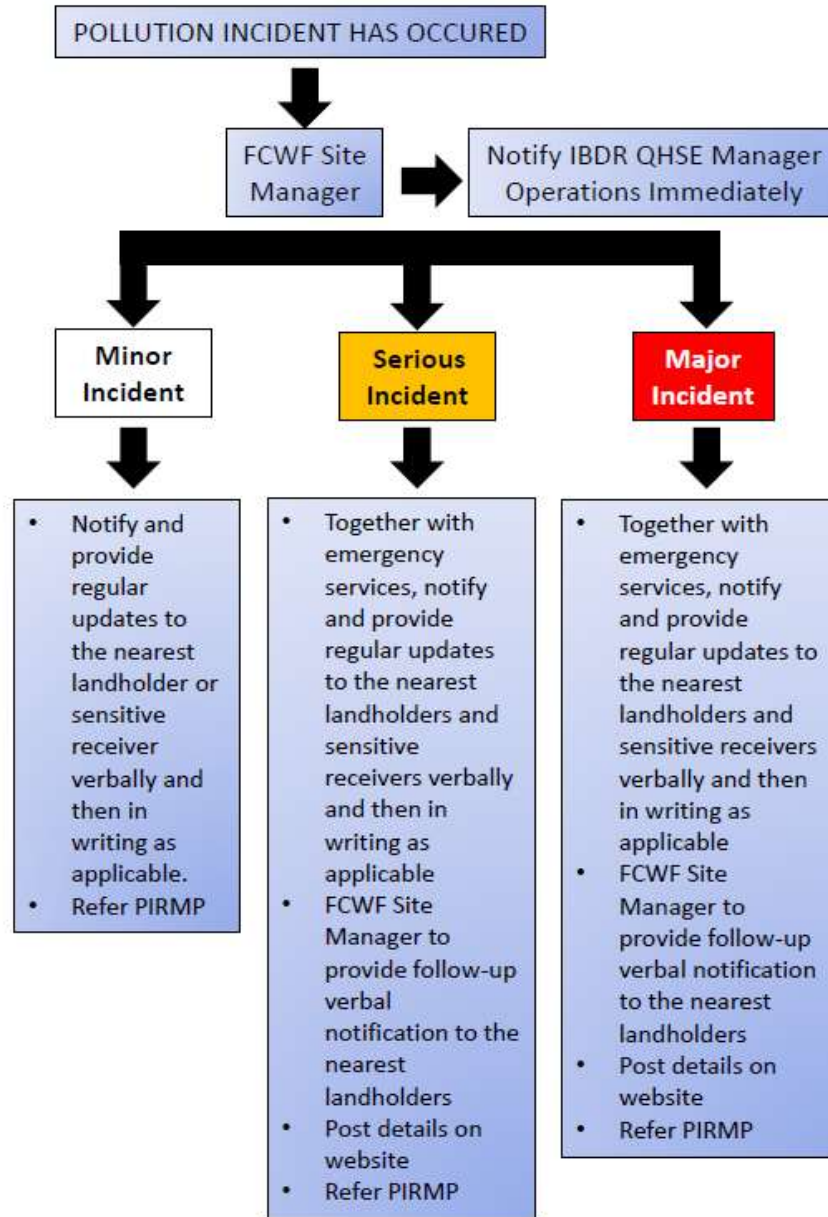
Aircraft safety	Presence of turbines may impact upon the safe operation of aircraft in the area	Injury to public - Non-compliance to conditions	High	Final as built locations of turbines will be provided to the relevant stakeholders for inclusion on aviation charts including CASA, Orange Aerodrome, Orange City Council, Air Services Australia, AAAA and the Department of Defence have all been advised of the details of the proposed wind farm.	Low	No issue evident
EMF	The possibility that Electric and Magnetic Fields created around high voltage power lines may have potential health impacts has not been entirely ruled out.	-asset damage - Stakeholder complaints	Low	- Potential impacts considered and assessed for medium voltage (132 kV) electricity generation and transmission occurring as part of the project - Location of turbines and substation are in areas not frequented by public; operations will be in accordance with relevant electrical safety codes - AS2067 substation design requirements have been met in the design of the FCWF Substation	Low	
Soil management	Operational activities may initiate erosion of soils - Controls are inadequate to minimise erosion and sedimentation	Non-compliance to Pollution reduction and Improvement management plan	High	Operational Soil and Water Management Sub Plan will be prepared and implemented as part of the OEMP Ongoing monitoring and maintenance of activities will be undertaken to ensure erosion is minimised.	Medium	

Water management	Waterways impacted by sediment runoff resulting from works for tracks, cables and transmission lines crossing watercourses. Sewage effluent incorrectly managed at O&M Spills from fuel, oil, chemicals and battery leakage	Non-compliance to Water management requirements and Compliance conditions	High	Operational Soil and Water Management Plan will be prepared and implemented as part of the OEMP. Fuel, oil, chemicals and batteries safely stored in areas with back up containment in case of leaks O&M Facility has a self-contained hazardous storage facility Maintenance of Transformer Oil check bunds Ongoing monitoring and maintenance Procedure for handling chemicals	Medium	
Air quality	Dust and minor air emissions generated during construction phase may impact upon air quality in local area Emission resulting from vehicle use	Non-compliance to Air Quality standards	Medium	Weather station reviewing conditions on daily basis Examination of potential issues and appropriate controls based on current best practise has been undertaken and included in the Environmental Assessment. An air quality management plan will be prepared as part of the OEMP to control dust and particulates. Stabilisation of exposed soils Rehabilitation plan Idling of vehicles minimised	Low	
Waste management	Improper management of excavated material, garbage, construction waste.	Non-compliance to Environmental conditions	Medium	-Recycling facilities - NGER reporting - Waste Management Sub Plan - Register of wastes generated and disposed	Low	

Trig Stations	Wind turbines may impact usability of trigonometric station in area by interrupting sight lines.	Non-compliance to Environmental conditions	Medium Potential impacts on the trig stations were examined as part of the project formulation and design consultation with Surveying Infrastructure and Geodesy section of Land and Property Management Authority has been undertaken Turbines locations selected & Micro siting of turbines done so as not to impact upon trig station operation	Low
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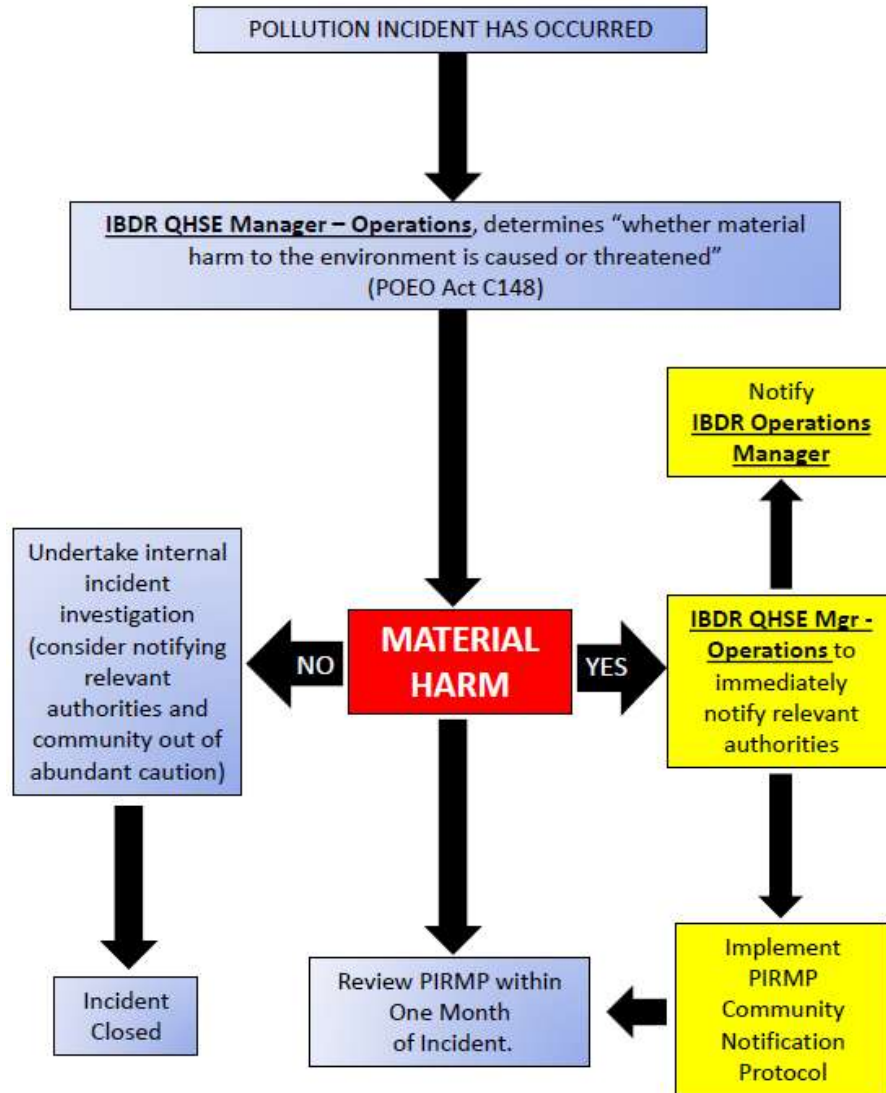
Appendix D – FCWF Community Notification Protocol



Information to Report to Community and Stakeholders

- Refer PIRMP
- When information is not yet available, state "here is the information I am currently aware of; I will contact you as information becomes available".
- Provide "actions to be taken" to landholders and / or sensitive receivers.

Appendix E – FCWF Incident Notification Protocol



Information to Report to Community and Stakeholders.

1. ERT Co-Ordinator to notify Fire Brigade: 000 (mobile 112) (to be contacted first if fire or rescue services are required, otherwise contact last.
2. IBDR QHSE Manager Operations to call EPA - 131555
3. IBDR QHSE Manager Operations to call Dept of Planning and Environment 1300 420 596.
4. IBDR QHSE Manager Operations to call NSW Health: Bathurst Public Health Unit (02) 6368 2104 or 0428 400 526 (after hours).
5. FCWF Site Manager to call Blayney Shire Council (02) 6368 2104 and Cabonne Shire Council (02) 6392 3200.
6. IBDR QHSE Manager Operations to call SafeWork NSW – 131 050