Pollution Incident Response Management Plan



Pollution Incident Response Management Plan Public Information

Review Register

Review Date	Review Team	Changes Made (Section)
1. 1/12/18	DM, SK	Original document drafted for review.
2. 1/03/19	SK, DM, RG	Approved for website publication
3. 8/10/20	SK	Review and update
4. 09/12/21	SK, PA	Review and update
5. 10/12/22	SK, PA	Full review - update

AKD Softwood NSW Environmental Protection Licences.

- Tumut Timber EPL63 Tumut NSW
- Gilmore Treatment Plant EPL 1459 Gilmore NSW



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Related to	POEO Act 1997	Revision	A - 2022		
Date of Issue 10/01/23 Review Freq Annual					
To provide the public with detail on how AKD will respond to a pollution incident					

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Introduction.

This Pollution Incident Response Management Plan (PIRMP) has been developed to conform to requirements as outlined in the Protection of the Environment Operations Act (POEO Act) 1997 and subordinate legislation. This document covers AKD Softwoods NSW operations. The plan applies to emergency services, all employees, visitors, contractors and also potentially impacted off site receptors in the event of a pollution incident.

The purpose of this plan is to;

- Detail how the business will assess and respond to a pollution incident to minimize the potential harm to human health and the environment.
- Detail the process to ensure timely reporting of incidents, and
- Detail how the business will notify those within the vicinity of the operations of potential impacts should a pollution incident occur.

AKD NSW Operations.

This plan is applicable to the following AKD Softwoods premises.

Site	Location	Environmental protection licence	Link
Gilmore Timber Treatment Plant	Snowy Mountains Highway Gilmore NSW	EPL 1459	https://apps.epa.nsw.gov.au/prpoeoapp/
Tumut Sawmill	Adelong Rd Tumut NSW	EPL 63	

Table 1: AKD Operations in NSW

Legal Requirements.

Under the Protection of the Environment (General) Amendment (Pollution Incident Response Management Plans) Regulation 2012, **key parts of the overall plan must be made available** and easily accessible to the general public via the business website.

This PIRMP must be tested/reviewed within 1 month of a pollution incident and at least once annually. The Act imposes significant penalties for not preparing, keeping on site, maintaining, testing and implementing a PIRMP.

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This plan is available electronically and can be accessed via the AKD Softwoods website (http://www.akd.com.au), from the administration building at respective sites, at the AKD Softwoods head office (9-15 Forest st Colac, Vic 3250) or by email request to info@akd.com.au.

Activation of this Plan.

All pollution incidents will be measured against this plan which will be activated when a pollution incident has the potential to cause material harm.

An incident is considered material under s.147 of the POEO Act 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 \$10,000 (or such other amount as is prescribed by the regulations), and
 - the 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.
- It does not matter that harm to the environment is caused only in the premises where the pollution incident occurs.

The incumbent in the following roles are authorised to activate the PIRMP and notify the required authorities.

- Regional General Manager
- Site Manager
- Maintenance Manager
- EHSR Manager

When an immediate threat to human life or property exists, all personnel are authorised to Dial 000 for emergency services and enact individual site emergency response plans.

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Plan Objectives.

The objective of this plan is to;

- Detail methods used to assess main hazards.
- Detail controls that may be implemented to reduce risk of hazards impacting on the receiving environment.
- Describe systems for dealing with pollution incidents.
- Outline incident management structures. And,
- Detail the required review and update process.

Description and Loss Likelihood of Main Hazards.

A survey of potential pollutants on each site has been conducted. This process has identified hazards with potential to impact on the environment which are then assessed using a consequence matrix as detailed in **Table 2.** Potential pollutants with risks scores of Insignificant are not considered main hazards.

		Risk of Hazard	l to Environment	and/or People	
S	Insignificant	Minor	Moderate	Major	Disastrous
Consequences	No	Measurable	Noticeable	Significant	Catastrophic
<u>e</u>	measurable	environmental	environmental	environmental	environmental
agr.	environmental	impact. Mildly	impact. Toxic	impact. Very	impact.
Se	impact. Very	toxic or low	and medium	toxic and high	Extremely
o	low level toxic	level	level	level	toxic and very
O	and not	dangerous.	dangerous.	dangerous.	dangerous.
	dangerous.				

Table 2: Consequence Matrix – Main Hazard Identification.

Risk Reduction Controls.

Infrastructure controls have been installed across all sites to reduce the potential for harm to human health and the environment. Where appropriate, administrative controls may also be used and subject to the potential risk several controls may be implemented for a specific hazard. The effectiveness of risk reduction controls (both infrastructure and administrative) have been assessed using the business risk rating matrix.

Types of controls implemented to date are detailed in **Table 3: Infrastructure controls** and **Table 4: Administrative controls.** As new risks are identified and in the event of a loss, controls will be assessed for effectiveness and suitability.

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Control	Purpose
Bunding	Act as secondary containment for liquid pollutants. Key
	control for bulk liquid storage systems.
Sprinkler System	Reduce risk and extent of fires.
Spill Kits	Limit impact of liquid pollutant spills for minor to moderate
	spill events.
Triple/Single Interceptors	Reduce amount of pollutants discharged from site. Control
	of gross solids and oils.
First Flush Dams	Reduce amount of solid pollutants discharged from site.
Water Treatment Plant	Reduce amounts of contaminants discharging from site.
Over/Under Interceptors	Reduce amount of solid pollutants discharged from site.
Gate Valves	Contain spills to site for more effective clean up.
Back Flow Prevention	Prevents process water backflow from re-entering town
Devices	supply.
Fire Hydrants	Reduce risk and extent of fires
Crash Barriers	Protect infrastructure from mobile plant collisions.

Table 3: Infrastructure Controls implemented across AKD's NSW operations.

Control	Purpose
Standard Operating	Provide instruction for proper response to incidents and
Procedures and Permit to	safe work procedures. Reduces the risk of an incident
Work System	through operator error/lack of understanding.
Housekeeping Inspections	Identify risks, highlights failures in process and
	recommend corrective actions.
Walkaround check-sheets	Identifies and reports on potential plant failures that could
	impact on the environment if not addressed.
Preventative maintenance	Routine maintenance of plant where failures impacting on
program	the environment and productivity have been known to
	occur.
Audits	Identify risks and recommend corrective actions.
Incident/Hazard/Near Miss	Identify risks and recommend corrective actions. Identify
Reporting	training, work procedure and infrastructure improvement
	requirements. Essential to continual improvement.
Environmental Monitoring	Comply with license conditions. Monitor performance.
Change Management	Reduce risk posed by changes to process.
Emergency Plan	Reduce impact of emergencies on environment and
	business continuity. Reduce risks to human health/Safety.
Induction Training	Alert all employees and visitors to their environmental
	responsibilities.

Table 4: Administrative Controls implemented across AKD's NSW Operations.

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Procedure for Internal and External Incident Reporting.

All incidents must be reported and investigated. Protocols have been developed to provide guidance on the level of environmental reporting as required under the POEO Act and Regulations. Complying with the PIRMP notification requirements does not remove the need to comply with any other obligations for incident notification, for example, those that apply under other environment protection legislation or legislation administered by SafeWork NSW.

Internal Incident Reporting.

All incidents, hazards and near misses must be reported under well-established reporting procedures utilizing a risk matrix. This provides all internal stakeholders with information regarding severity of a risk or incident and details corrective actions required. These procedures include a review system to ensure all corrective actions are completed.

External Incident Reporting.

The AKD incident notification procedure has been developed to provide specific direction for site-based personnel in the event of a loss of containment. Training to ensure each level of the business understands its obligations with regard to notification is completed annually and also forms part of the review process in the event the plan is activated.

The process involves the use of a wall chart (**Appendix1**) notification assessment worksheet (**Appendix 2**) and notification protocol (**Appendix 3**).

The procedure and associated documentation provide clear guidelines for reporting to external parties and was developed to comply with the POEO Act and regulations.

Mechanisms for providing early warnings and updates to Neighbours.

If an incident has occurred that requires first response emergency services, all communication to external parties will be managed by the person authorised to activate the plan. Each site and incident will require a unique response regarding communication with residents adjacent to the site and subject to the incident, the following mechanisms may be used.

- Notification on website
- Twitter
- Facebook
- Telephone calls
- SMS

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- Email to community representatives e.g. consultative committee.
- Letter box drops for updates.
- Door knock.
- Town meetings for updates.

Initial communication with neighbours will be completed in consultation with emergency service advice and directives such as evacuation.

Manner in which plan will be tested and maintained.

This PIRMP requires scheduled testing and maintenance to ensure the process remains current and incident response/notification is completed without delay. As a minimum, the following summary details the review requirements for this plan.

- Review at least once every 12 months and after every incident.
 - Record annual review in Routine Activities of Site EHSR Improvement Plan.
 - Senior management sign off is required for annual review.
- Spill response training and drills every 12 months.
- Provide relevant training on regular basis.
- Amend this PIRMP and record details in Amendment Register.

Task	Who	Frequency
Full review of plan including	Site EHSR, Engineering Dept,	Annual
chemical risk assessment.	Production Dept. Site Manager	
Review must be documented.		
Post incident plan review.	Site EHSR, Engineering Dept,	Within 30 days of this
	Production Dept. Site Manager	plan being activated.
Spill response training drills	All shop floor personnel	Annually
PIRMP responsibility training	All site personnel	Annually
PIRMP review signoff	Site Manager, Site EHSR	Annually
Amend register and update	Site EHSR	Annually or as
records		updates occur.

Table 5: PIRMP Testing and maintenance.

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Appendix 1: Pollution Incident Response Loss of Containment Wallchart

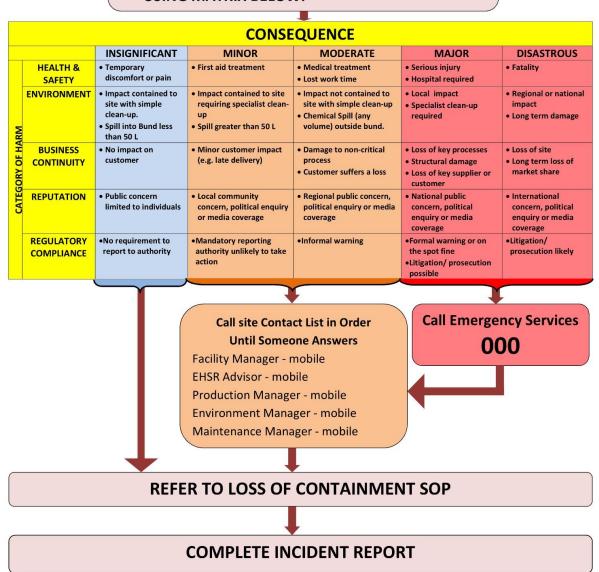
LOSS OF CONTAINMENT INCIDENT

SHOPFLOOR

- CALL/TELL SUPERVISOR
- IF SAFE, ISOLATE AND CONTAIN.

SUPERVISOR

- 1.REFER TO LOSS OF CONTAINMENT SOP.
- 2.PROMPTLY ASSESS CONSEQUENCES OF INCIDENT USING MATRIX BELOW.



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Appendix 2: Notification Assessment Worksheet.

	NOTIFICATION ASSESSMENT														
Da	Date Time				Name				ncident Report Number						
De	Description of Incident													·	
						CON	ISEQUE	NCE(T	ICK	THE BO	()				
			INSI	GNIF	ICANT	М	INOR	MOI	DER	ATE	N	IAJOR		DISASTROUS	
	HEALTH	&		porar		• First aid	The second second	Medical treatment			• Serious i			• Fatality	$\overline{}$
	SAFET	Υ	disc	omfor 1	rt or	treatme	ent	• Lost wor	rk tin	ne	Hospital	required			
ENVIRONMENT • Impact				contained	• Impact r	not		• Local im	pact		Regional or	$\overline{\neg}$			
				tained		to site requiring specialist clean-		containe requiring		1000	Specialis	t clean-up		national impact	
			site with simple clean-up			up.	st clean-	clean-up	=	ipie	required			Long term damage	
			Land Street		a bund	Spill greater than Che			Service Control	ll (any					
Σ			less	than!	50 L	50 litre	s	volume) bund.	outs	side					
HAR	BUSINE	SS		mpact	t on	• Minor o	Control of the Contro	Damage			• Loss of k			• Loss of site	$\overline{\neg}$
뉴	CONTINU	ITY	cust	omer		impact	(e.g. late U	critical p Custome			processe			Long term loss of market share	٢
R.						deliver	"	loss	er sur	ileis a	Structura Loss of k	ey supplier		market snare	
99											or custo	mer			
CATEGORY OF HARM	REPUTAT	ION		lic con ted to		• Local commu	nity	 Regional concern 			 National concern, 			International concern, political	
_				vidual		concerr		enquiry			enquiry			enquiry or media	
						politica or medi	l enquiry	coverage	е		coverage			coverage	
						coverag									
	REGULAT		•No			•Mandat		•Informal	warı	ning	•Formal w	Contract to the second		•Litigation/	
	COMM ENTITIES		reporting authority				on the spot fine prosec			prosecution likely					
			auth	ority		unlikely	to take					on possible			
3						action									
			FILL	IN TH	HE WHITE I	BOXES				CALL	S MADE CH	ECKLIST (FILL	IN 1	THE WHITE BOXES)	
Cost	of material los	it					Estimated	Cost \$			UTHORITY		LLE	REFERENCE NO.	
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Acid Resi	,		L X \$20.00/L T X \$852.00/T					+	Emerg	ency Ser 000	vices				
Caus			L X \$20.00/L				1	Fire &	Rescue	NSW (\neg		\dashv		
Fuel			L]	THE	EPA	1	\exists		\exists	
	/dust		Т	X	\$105.00]	Health	Departi	nent	Ī		\neg
	te Water		L L	X	\$10.00				4	Safe	work NS	SW (\exists
	tment Chems t critical proce	ss went			\$100.00	<i>)</i> /L			+	Loc	al Counc	il (
	•		Down		\$1250				1	WHAT TO	TELL AUTHO	RITIES (KEEP T	ОТН	IE FACTS)	
What non-critical process went down? What non-critical process went down? Time															
Hrs Down X \$250 Clean up							+	Date Location – site address							
	Hrs X Men X \$50						Environment Protection Licence Number (EPL)			umber (EPL)					
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Tip f				M3	X \$10	0			+						_
Spec	Special disposal T X \$200		0			+	EPL Numbers HPP1 – 887 HPP2 – 11229 LOSP – 105			LOSP = 105					
Waste testing 1 X \$500]	Tumut Timber – 63 Gilmore - 1459									
	Total Cost =														
This e	estimation tool pr	ovides gu	idance v	when as	ssessing pote	ential cost of	an incident.		Sign	ned:					
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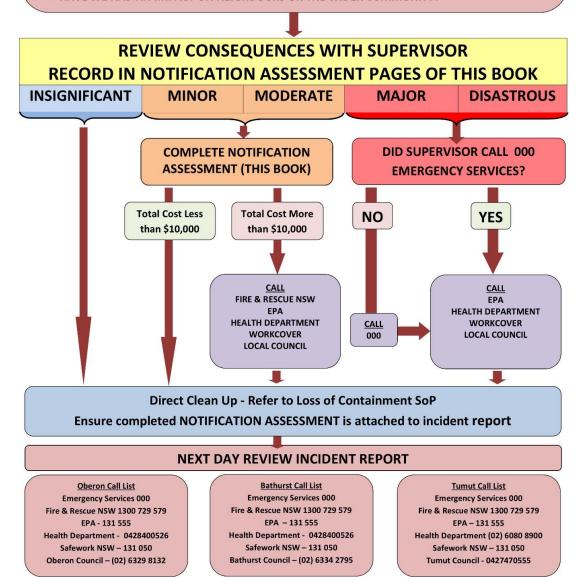
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Appendix 3: Notification Assessment Protocol.

NOTIFICATION ASSESSMENT

YOU ARE ON THE CHH LIST AND HAVE RECEIVED A CALL ABOUT AN INCIDENT ASK FOLLOWING QUESTIONS:

- WHAT ESCAPED PRIMARY CONTAINMENT?
- HOW MUCH?
- WHERE IS IT?
- WHO HAVE YOU CALLED?
- WHAT IS INCIDENT REPORT NUMBER?
- HAVE WE HAD AN IMPACT ON NEIGHBOURS OR THE WIDER COMMUNITY?



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