



Pentarch Forestry

Pollution Incident Response Management Plan Narooma

Version 1 Revision 10: 17th November 2022





PIRMP Site Assessment Sheet

LIST OF POLLUTING SUBSTANCE STORAGES/USES AT SITE INITIAL ASSESSMENT (all Chemicals listed in this sheet are to be subjected to a risk assessment)		
Site Name: Narooma Timber Mill	Responsible Person: Shaun Jorgensen	Edition Date: 16/08/12 Revised: 15/09/2022
PIRMP Drill <ul style="list-style-type: none"> Conducted 22:11:12 (incident #1 / 2 / 3 / 9) Conducted 11:06:14 (incident #1 / 2 / 3 / 5/ 6 / 11) Conducted 07:10:15(incident#2) Conducted 12/10/16 (incident #4 / 7 / 8) Conducted 09/10/17 (incident #4 / 7 / 8) Conducted 13/11/18 (incident #10) Conducted 21/11/19 (incident #5) Conducted 15/09/20 (incident #4 / 7 / 8) Conducted 1/11/21 (incident #5) Conducted 17/11/22(incident #10) 		

Name / description	Covered under Hazardous Chemicals/MSDS?	Max amount stored	Location of storage	Map reference	Need for early warning ¹	Current controls	See Risk Ass & PIRMP Response Action (see Below)
CHEMICALS/FUELS/LUBRICANTS (raw materials and products which can cause pollution)							
Diesel	Class 3	3000 ltrs	Oil Storage Shed	Ref No 1	N/A	<ul style="list-style-type: none"> Bunding PMP Training Spill Kits SOP Inductions Fire Fighting Equipment 	Incident # 1-3

¹ Early warnings relate to informing neighbours who may be affected by the emission of this substance. If this substance is of a type and quantity which may reach neighbours then early warning assessment of actions is required to be undertaken.

Name / description	Covered under Hazardous Chemicals/MSDS?	Max amount stored	Location of storage	Map reference	Need for early warning ¹	Current controls	See Risk Ass & PIRMP Response Action (see Below)
						<ul style="list-style-type: none"> • Security • Emergency Response Sand/Sawdust • Ground Water Monitoring Wells 	
Oils/Solvents	Class 3	Packaged goods up to 1500 ltrs	Oil Storage Shed	Ref No 1	N/A	<ul style="list-style-type: none"> • Bunding • PMP • Training • Flammable Cabinet • Spill Kits • Inductions • Fire Fighting Equipment • Security • Emergency Response Sand/Sawdust • Remediator – bio remediation of soils. • Ground Water Monitoring Wells 	Incident # 4
Lubricants, Gases	Class 2	Variable. Max at any time 500L.	Maintenance Workshop	Ref No 2	N/A	<ul style="list-style-type: none"> • Fire Extinguishers • Concrete Floor • Enclosed Shed • Containment Cages and flammable storage cabinet. 	No Incident Potential
Oils/Fuel	Class 3	Residuals-equipment drained	Redundant Plant and Equipment (Graveyard)	Ref No 3	N/A	<ul style="list-style-type: none"> • Audits/Inspections • Oils/Fuel drained prior to storage • Remediator • Bunding 	No Incident Potential

Name / description	Covered under Hazardous Chemicals/MSDS?	Max amount stored	Location of storage	Map reference	Need for early warning ¹	Current controls	See Risk Ass & PIRMP Response Action (see Below)
MATERIALS (e.g. stockpiles, silos, bulk solids etc)							
Log Stock Pile	N/A	Variable Max 2000tonne	Dedicated on site	Ref No 4	Local Rural Fire Brigade	<ul style="list-style-type: none"> • Emergency fire equipment. • Maintain manageable levels • Log stock takes. • Security 	Incident # 5
Woodchip	Refer to Boral's MSDS on Woodchip	Variable Max 500m3	Dedicated on site	Ref No 5	Local Bush Fire Brigade	<ul style="list-style-type: none"> • Emergency fire equipment • Maintain manageable levels • Security 	Incident # 5
Residue Waste	N/A	Variable. Max 100m3	Dedicated on site	Ref No 6	Local Bush Fire Brigade	<ul style="list-style-type: none"> • Emergency fire equipment • Maintain manageable levels • Security 	Incident # 5
AQUEOUS (e.g. dams, wastewater tanks, other water storage area)							
Dam 1 (Sediment)	N/A	Variable		Ref No 7	N/A	<ul style="list-style-type: none"> • Continue to irrigate to lower yard to maintain dam levels. • Sediment barrier. 	Incident # 6
Dam 2 (Sediment)	N/A	Variable		Ref No 8	N/A	<ul style="list-style-type: none"> • Continue to irrigate to lower yard to maintain dam levels. • Sediment barrier. 	Incident # 6
Dam 3 (Sediment)	N/A	Variable		Ref No 9	N/A	<ul style="list-style-type: none"> • Continue to irrigate to yard spray to maintain dam level. • Ensure pumps are maintained through 	Incident # 6

Name / description	Covered under Hazardous Chemicals/MSDS?	Max amount stored	Location of storage	Map reference	Need for early warning ¹	Current controls	See Risk Ass & PIRMP Response Action (see Below)
						scheduled maintenance <ul style="list-style-type: none"> • Sediment barrier 	
Ground Water Monitoring Wells	N/A	N/A	Site	N/A	N/A	<ul style="list-style-type: none"> • Annual water monitoring. 	Incident # 11
Storm Water Drains	N/A	Variable	Site	N/A	N/A	<ul style="list-style-type: none"> • Straw Bales • Rubber and Earthen Berms • Audits and Inspections 	Incident # 6
SUBSTANCES IN PROCESSES (substances which could be emitted from operational process i.e. treatment plants, vehicles etc)							
Name / description	Covered under Hazardous Chemicals/MSDS?	Amount stored	Location of storage	Map reference	Need for early warning ²	Current controls	See Risk Ass & PIRMP Response Action (see Below)
Mobile Plant (onsite)	Class 3	Up to 6 mobile plant on site	Dedicated on site	N/A	N/A	<ul style="list-style-type: none"> • Spill Kits • Pre start checks • PMP • Training • Emergency Response Sand/Sawdust • Remediator – bio remediation of soils. 	Incident # 7
Mobile Plant Contractor/visitor	Class 3	Variable	Variable Locations	N/A	N/A	<ul style="list-style-type: none"> • Spill Kits • Pre start checks • Training • Inductions • Emergency Response Sand/Sawdust • Remediator – bio 	Incident # 8

² Early warnings relate to informing neighbours who may be affected by the emission of this substance. If this substance is of a type and quantity which may reach neighbours then early warning assessment of actions is required to be undertaken.

Name / description	Covered under Hazardous Chemicals/MSDS?	Max amount stored	Location of storage	Map reference	Need for early warning ¹	Current controls	See Risk Ass & PIRMP Response Action (see Below)
						remediation of soils.	
Car Parking up to 20 vehicles	Class 3	Variable	Site Office	Ref No 10	N/A	<ul style="list-style-type: none"> • Spill Kits • Training • Emergency Response Sand/Sawdust • Remediator – bio remediation of soils. 	Incident # 9
Traffic Areas (dust, chem. leaks & loss)	Class 3	N/A	Dedicated on site	N/A	N/A	<ul style="list-style-type: none"> • Training. • Dust suppression system/water tank with pump. 	Incident # 10

IMPACT ON NEIGHBOURS ASSESSMENT – EARLY WARNINGS

Site Name: Narooma				Responsible Person: Shaun Jorgensen Site Manager		Date: 15/9/22
Incident type/description	External Release (air, waterway etc)	Neighbors impacted/extent of impact	Communication methods Early warnings	Actions and other control measures (e.g. posting on website, community group meetings)		
N/A						

Emergency Drills Conducted

Date	Practice Drill Completed	Type of Drill	Rating 1-5 on Effectiveness	Comment
06/08/2014	06/08/14	Fire (Wormald)	5 Highly Effective	Minimal Recommendations
11/06/2014	11/06/14	Incident #1,2,3 Shaun Jorgensen – Site Supervisor Steven Kostiuik – HSE	4 Effective	Train Emergency Response Team on use of spill kit by 30 th Sept. 2014 Responsible – Shaun Jorgensen Follow Up – HSE Advisor
11/06/2014	11/06/14	Incident #5 Shaun Jorgensen – Site	4 Effective	No actions required

Emergency Drills Conducted				
Date	Practice Drill Completed	Type of Drill	Rating 1-5 on Effectiveness	Comment
		Supervisor Steven Kostiuk – HSE		
11/06/2014	11/06/14	Incident #6,11 Shaun Jorgensen – Site Supervisor Steven Kostiuk – HSE	5 Highly Effective	Dams are to be monitored and inspected for levels and integrity. Pumps are to be maintained through scheduled maintenance. Annual ground water monitoring program.
09/10/2015	07/10/15	Incident # 12 Shaun Jorgensen- Site Supervisor	4 Effective	Fit for Purpose size decanting containers Ensure Spills Kits are maintained (free from spiders) Materials used in spills response from kit are listed to ensure re-stocking.
12/10/2016	12/10/16	Incident # 4, 7,8 Steven Kostiuk – Acting Site Supervisor Les Medbury – HSR Mark English – Fitter	4 Effective	Ensure Spills Kits are maintained (free from spiders) Regular inspections of maintenance areas and drains.
09/10/2017	09/10/2017	Incident # 4, 7,8 Shaun Jorgensen Site Manager Les Medbury- HSR Mark English- Fitter	4 Effective	Regular inspections of maintenance areas and drains. Ensure Spill Kits stock levels are maintained and clear access to Spill Kits at all times.
13/11/2018	13/11/2018	Incident #10 Shaun Jorgensen Luke Nunn Les Medbury Nathaniel Rae	4 Effective	Ensure water truck is used more frequently in dryer conditions. Employees to be made aware of all sprinkler shut off /turn on valves around site.
21/11/2019	21/11/2019	Incident #5 Shaun Jorgensen Les Medbury, Nathaniel Rae	4 Effective	Ensure water truck is in a fit for purpose use at all times

Emergency Drills Conducted				
Date	Practice Drill Completed	Type of Drill	Rating 1-5 on Effectiveness	Comment
		Steve Ilitch		
15/09/2020	15/09/2020	Incident # 4,7,8 Steve Ilitch-Leading hand Amanda Gregor- Data Operations Les Medbury- Safety officer	4 Effective	Ensure Spill Kits stock levels are maintained and clear access to Spill Kits at all times. Regular inspections of maintenance areas and drains.
1/11/2021	1/11/2021	Incident #5 Shaun Jorgensen Steve Ilitch – Leading hand Rod Pratt – Fitter Ben Nunn – App Fitter	4 Effective	Ensure fire prevention kept clear from obstructions and in test date at all times. C
17/11/2022	15/09/2022	Shaun Jorgensen Steve Ilitch Ben Nunn Rod Pratt	4 Effective	

Emergency Response Personnel Training				
Date	Names	Training Date	PIRMP Drill	Comment
07/10/2015	Shaun Jorgensen Les Medbury	07/10/15	07/10/15	
29/09/2016	Mark English Les Medbury Shaun Jorgensen Nathaniel Rae	29/09/16	12/10/16	Environmental Awareness Training was conducted by Greg Ninnnes on the 29/09/16
09/10/2017	Shaun Jorgensen Paul Riley	09/10/2017	09/10/2017	
13/11/2018	Mark English Les Medbury, Luke Nunn Nathaniel Rae	13/11/2018	13/11/2018	

Emergency Response Personnel Training				
Date	Names	Training Date	PIRMP Drill	Comment
21/11/2019	Shaun Jorgensen Les Medbury, Nathaniel Rae Steve Ilitch	21/11/2019	21/11/2019	
15/11/2020	Les Medbury Amanda Gregor Steve Ilitch	15/09/2020	15/09/2020	Online Training Environmental Management Compliance, Obligations and Risk Management.
1/11/2021	Shaun Jorgensen Steve Ilitch Ben Nunn Rod Pratt	1/11/2021	1/11/2021	
25/10/2022	Shaun Jorgensen Steve Ilitch Ben Nunn Rod Pratt	25/10/2022	15/09/2022	Environmental Training Awareness training and spills kit conducted by Attila Ballaz and Greg Ninness

RISK ASSESSMENT MATRIX

TABLE 1: Measures of Consequence

Value	Description	Impact
1	Incidental	No discernable impact or measurable impairment on habitat, species or natural environment (air, water, land).
2	Minor	Localised and measurable short term impact on habitat, species or natural environment.
3	Moderate	Localised and measurable medium term impact on habitat, species or natural environment.
4	Major	Extensive and measurable medium term impact on habitat, species, or natural environment.
5	Severe	Destruction of important populations of habitat, species, or natural environment.

TABLE 2: Qualitative measurement of how likely or probable the consequence will occur

Level	Likelihood	Description
1	Rare	The consequence is not expected in Pentarch/ Has never been heard of in the Industry.
2	Unlikely	The consequence is possible in Pentarch/ Has occurred in the Industry.
3	Possible	The consequence is possible at a Pentarch workplace at some time in the foreseeable future (next 10 years) / Has happened at Pentarch in past 10 years / Occurs annually within the Industry.
4	Likely	The event is expected at a site/local level in the foreseeable future (next few years) / Occurs within Pentarch more than once per year.
5	Almost Certain	The event is expected to occur several times a year at a site/local level.

TABLE 3: Qualitative Risk Matrix – Levels of Risk					
Consequence Likelihood	Incidental (1)	Minor (2)	Moderate (3)	Major (4)	Severe (5)
Almost Certain (5)	M (8)	H (14)	E (20)	E (22)	E (25)
Likely (4)	M (7)	M (10)	H (16)	E (21)	E (24)
Possible (3)	L (3)	M (9)	H (15)	H (18)	E (23)
Unlikely (2)	L (2)	L (5)	M (11)	H (17)	H (19)
Rare (1)	L (1)	L (4)	L (6)	M (12)	M (13)

RISK ASSESSMENT on POTENTIAL IMPACTS

Hazard and Likelihood Risk Assessment and Corrective Control Measures								
Narooma				Responsible Person SCH Operations Manager			Review Date 15th September 2022	
Name of pollutant/chemicals	Description of Hazard / Incident leading to hazard	Consequence	Likelihood	Risk	Impact on Neighbours ³	Control Measures Corrective Action Coverage under other Plans	Responsible Person	Next Review Date
Diesel	Incident #1 Catastrophic failure of one/both above ground tanks	1	2	L2	N/A	Consequence: (incidental): Failure resulting in loss of all or substantial volume of tanks would be captured entirely by existing primary bund with no release to soil or water. Likelihood: (unlikely): Due to location within bund, damage to tanks is unlikely to occur from external equipment. In addition tanks are maintained in good structural integrity with low risk of failure through corrosion.	As per PIRMP action plan	15/09/23

³ If the incident may impact on neighbours then it will need to trigger the early warnings assessment and actions

	Incident #2 Loss of diesel outside bund during refuelling/fuelling operations.	1	3	L3	N/A	Consequence: (incidental): Failure resulting in loss/leakage from fuelling or re-fuelling from hose, nozzle or plant/equipment would be captured by a secondary bund or spill kill with minimal release to soil. Likelihood: (possible): Due to location within the bund an incident while re-fuelling and fuelling is likely to occur on some occasions. Hoses and refuelling equipment are maintained with low risk of failure.	As per PIRMP action plan	15/09/23
	Incident #3 Loss of fuel within bund area with leaking or open drain valve	1	2	L2	N/A	Consequence: (incidental): Failure resulting in loss of all or substantial volume of tanks would be captured entirely by primary bund with minimal release to soil. Likelihood: (unlikely): Drain valve, hoses and refuelling equipment are maintained in good structural integrity with low risk of failure The drain valve is locked at all times.	As per PIRMP action plan	15/09/23
Oils/Solvents	Incident #4 Loss of oils solvents inside bund during delivery and or use	1	2	L2	N/A	Consequence : (incidental): Failure resulting in loss of oils/solvents from packaged goods would be captured entirely by existing primary bund with no release to soil or water. Likelihood: (unlikely): Due to location within the bund, spillage during delivery and use is unlikely to occur. In addition hoses and decanting equipment are maintained in good structural integrity with low risk of failure.	As per PIRMP action plan	15/09/23
Log, Wood chip & Residue stockpiles	Incident #5. Spontaneous combustion or ignited fire	2	2	L5	Y	Consequence: (minor): Fire from stock piles or internal mill works causing loss off assets creating substantial smoke around the area. Likelihood: (unlikely): Stockpiles are maintained to a manageable level along with emergency equipment inspected on a monthly basis. Hot works SWMS and permits utilised to eliminate potential risks.	As per PIRMP action plan	15/09/23
Dams 1-3	Incident #6 Catastrophic failure of one or more tannin dams releasing large volumes of tannin water into on-site and off-site water courses (i.e. creek).	2	2	L5	N/A	Consequence: (minor): Catastrophic failure of one or more sediment dams are likely to result in off-site impacts to water courses which would predominantly reduce water quality over a short period of time. As such, impact to the environment/human health is not considered to be significant. Likelihood: (unlikely): Dams are frequently monitored and inspected for levels and integrity. Risk Assessment = Moderate Vs Unlikely = L (2) Note: For PIRMP purposes overflow events during extreme wet weather will be reported under POEO Licence obligations and not Immediate Reporting	As per PIRMP action plan	15/09/23

Mobile Plant	Incident #7 Mobile plant, hydraulic hose or fuel tank failure	1	2	L2	N	<p>Consequence: (incidental): Failure from fuel tank or hydraulic hoses would be maintain to a small localised area on site.</p> <p>Likelihood :(unlikely): Hose or fuel tank failure from mobile plant would be minimal as prestart and regular maintenance programs are in place to capture and prevent such occurrences. Spills kits also maintain and available in various areas.</p> <p>Remediator – bio remediation of soils.</p>	As per PIRMP action plan	15/09/23
Mobile plant/ Contractor , Visitor	Incident # 8 Mobile plant, hydraulic hose or fuel tank failure	1	2	L2	N	<p>Consequence: (incidental): Failure from fuel tank or hydraulic hoses would be maintain to a small localised area on site.</p> <p>Likelihood: (unlikely): Hose or fuel tank failure from mobile plant would be minimal as prestart and regular maintenance programs are in place to capture and prevent such occurrences. Spills kits also maintain and available in various areas. Inductions for all contractors demonstrating their accountabilities and responsibilities for reporting environmental incidents.</p> <p>Remediator – bio remediation of soils.</p>	As per PIRMP action plan	15/09/23
Car Park	Incident # 9 Ruptured fuel tank	1	2	L2	N	<p>Consequence: (incidental): Failure from fuel tank or hydraulic hoses would be maintain to a small localised area on site.</p> <p>Likelihood: (unlikely): Hose or fuel tank failure from mobile plant would be minimal as prestart and regular maintenance programs are in place to capture and prevent such occurrences. Spills kits also maintain and available in various areas</p>	As per PIRMP action plan	15/09/23
Traffic areas (dust)	Incident # 10 Surface dust from mobile plant	1	2	L2	Y	<p>Consequence: (incidental): Dust created form continuous mobile plant operations across site</p> <p>Likelihood :(unlikely): Main areas watered with fire hoses in high wind conditions</p>	As per PIRMP action plan	15/09/23
Ground Water Monitoring	Incident #11 Migration of pollutants off site	3	2	M11	Y	<p>Consequence: (moderate) Contamination of local waterways or ground water aquifers</p> <p>Likelihood: (unlikely) Annual ground water monitoring program implemented</p>	As per PIRMP action plan	15/09/23

PIRMP ACTION PLAN

Incident No 1

Incident No 1	<p>Catastrophic failure of one/both diesel tanks.</p> <p>Actions Required (by Shaun Jorgensen and PIRMP Team):</p> <ul style="list-style-type: none"> • Contact all relevant people/department (refer to Immediate Reporting Contact Sheet) • Ensure bunds are capturing full volume of diesel • Ensure bund integrity is sound throughout the entire period of incident (i.e. periodic inspections) • Contact service provider (Caltex No. 1800033111 or Transpacific 02 96007185) to pump-out bund contents • Area to be restricted to Emergency Response Personnel • Ensure spill kit available for any release from bund • If any release from bund onto unsealed soil/surface water - Environmental Consultants to be engaged to investigate and remediate contamination. • Repair/replace tanks • Refuel tanks <p>Inspect bund for ongoing serviceability</p>
Alarm raising	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions to be implemented.
Emergency Controller	<ul style="list-style-type: none"> • Shaun Jorgensen (reporting to Greg Ninness) • Call service provider (Shaun Jorgensen staff) • Spill Kit manager (Emergency Response Personnel) <p>Periodic inspections and update reporting of site and bund (Shaun Jorgensen)</p>
Scale of incident	Incident would be restricted to chemical storage area with minimal external impact, however, potential for bund overflow or failure may result in soil and surface water contamination that will require specialist investigation/remediation.
Evacuate	Only if fire or explosion potential exists. Site Supervisor and any advice provided by Fire Dept as part of attendance after immediate notification.
Communications	<p>Internal:</p> <ul style="list-style-type: none"> • Operations Manager • Greg Ninness HSE Manager <p>External mandatory:</p> <ul style="list-style-type: none"> • Immediate Reporting Contact Sheet to be used <p>External non-mandatory: N/A</p>
Rescuer/respondent + safety checks	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Rescue + First Aid	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Clean up and Waste disposal	Service Provider to dispose of diesel and advise on required clean-up.
Reporting and re-preparedness	<p>See SOPs:</p> <p>Incident Management (SOP GRP-OHS-052)</p>

Incident No 2

Incident No 2	<p>Loss of Fuel due to filling and refueling from one/both diesel tanks.</p> <p>Actions Required (by Shaun Jorgensen and PIRMP Team):</p> <ul style="list-style-type: none"> • Contact all relevant people/department (refer to Immediate Reporting Contact Sheet) • Ensure bunds are capturing full volume of diesel • Ensure bund integrity is sound throughout the entire period of incident (i.e. periodic inspections) • Contact service provider (Caltex No. 1800033111 or Transpacific 02 96007185) to pump-out bund contents • Area to be restricted to Emergency Response Personnel • Ensure spill kit available for any release from bund • If any release from bund onto unsealed soil/surface water - Environmental Consultants to be engaged to investigate and remediate contamination. • Repair/replace tanks • Refuel tanks <p>Inspect bund for ongoing serviceability</p>
Alarm raising	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions to be implemented.
Emergency Controller	<ul style="list-style-type: none"> • Shaun Jorgensen (reporting to Greg Ninness) • Call service provider (Shaun Jorgensen) • Spill Kit manager (Emergency Response Personnel) • Periodic inspections and update reporting of site and bund (Shaun Jorgensen)
Scale of incident	Incident would be restricted to chemical storage area with minimal external impact. However, potential for bund overflow or failure may result in soil and surface water contamination that will require specialist investigation/remediation.
Evacuate	Only if fire or explosion potential exists. Site Supervisor and any advice provided by Fire Dept as part of attendance after immediate notification.
Communications	<p>Internal:</p> <ul style="list-style-type: none"> • Operations Manager • Greg Ninness HSE Manager <p>External mandatory:</p> <ul style="list-style-type: none"> • Immediate Reporting Contact Sheet to be used <p>External non-mandatory: N/A</p>
Rescuer/respondent + safety checks	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Rescue + First Aid	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Clean up and Waste disposal	Service Provider to dispose of diesel and advise on required clean-up.
Reporting and re-preparedness	See SOPs: Incident Management (SOP GRP-OHS-052)

Incident No 3

Incident No 3	<p>Failure of drain valve on bund</p> <p>Actions Required (by Shaun Jorgensen and PIRMP Team)</p> <ul style="list-style-type: none"> • Contact all relevant people/department (refer to Immediate Reporting Contact Sheet) • Ensure bunds are capturing full volume of diesel • Ensure bund integrity is sound throughout the entire period of incident (i.e. periodic inspections) • Contact service provider (Caltex No. 1800033111 or Transpacific 02 96007185) to pump-out bund contents • Area to be restricted to Emergency Response Personnel • Ensure spill kit available for any release from bund • If any release from bund onto unsealed soil/surface water - Environmental Consultants to be engaged to investigate and remediate contamination. • Repair/replace tanks • Refuel tanks <p>Inspect bund for ongoing serviceability</p>
Alarm raising	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions to be implemented.
Emergency Controller	<ul style="list-style-type: none"> • Shaun Jorgensen (reporting to Greg Ninness) • Call service provider (Shaun Jorgensen) • Spill Kit manager (Emergency Response Personnel) <p>Periodic inspections and update reporting of site and bund (Shaun Jorgensen)</p>
Scale of incident	Incident would be restricted to chemical storage area with minimal external impact. However, potential for bund overflow or failure may result in soil and surface water contamination that will require specialist investigation/remediation.
Evacuate	Only if fire or explosion potential exists. Site Supervisor and any advice provided by Fire Dept as part of attendance after immediate notification.
Communications	<p>Internal:</p> <ul style="list-style-type: none"> • Operations Manager • Greg Ninness <p>External mandatory:</p> <ul style="list-style-type: none"> • Immediate Reporting Contact Sheet to be used <p>External non-mandatory: N/A</p>
Rescuer/respondent + safety checks	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Rescue + First Aid	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Clean up and Waste disposal	Service Provider to dispose of diesel and advise on required clean-up.
Reporting and re-preparedness	<p>See SOPs:</p> <ul style="list-style-type: none"> • Incident Management (SOP GRP-OHS-052)

Incident No 4

Incident No 4	<p>Loss off oil/solvents, packaged goods</p> <p>Actions Required (by Shaun Jorgensen and PIRMP Team)::</p> <ul style="list-style-type: none"> • Contact all relevant people/department (refer to Immediate Reporting Contact Sheet) • Ensure bunds are capturing full volume of oil/solvents • Ensure bund integrity is sound throughout the entire period of incident (i.e. periodic inspections) • Contact service provider (Caltex No. 1800033111 or Transpacific 02 96007185) to pump-out bund contents • Area to be restricted to Emergency Response Personnel • Ensure spill kit available for any release from bund • If any release from bund onto unsealed soil/surface water - Environmental Consultants to be engaged to investigate and remediate contamination. • Inspect bund for ongoing serviceability
Alarm raising	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions to be implemented.
Emergency Controller	<ul style="list-style-type: none"> • Shaun Jorgensen (reporting to Greg Ninness) • Call service provider (Shaun Jorgensen) • Spill Kit manager (Emergency Response Personnel) • Periodic inspections and update reporting of site and bund (Shaun Jorgensen)
Scale of incident	Incident would be restricted to chemical storage area with minimal external impact. However, potential for bund overflow or failure may result in soil and surface water contamination that will require specialist investigation/remediation.
Evacuate	Only if fire or explosion potential exists. Site Supervisor and any advice provided by Fire Dept as part of attendance after immediate notification.
Communications	<p>Internal:</p> <ul style="list-style-type: none"> • Operations Manager • Greg Ninness <p>External mandatory:</p> <ul style="list-style-type: none"> • Immediate Reporting Contact Sheet to be used <p>External non-mandatory: N/A</p>
Rescuer/respondent + safety checks	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Rescue + First Aid	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Clean up and Waste disposal	Service Provider to dispose of diesel and advise on required clean-up.
Reporting and re-preparedness	<p>See SOPs:</p> <ul style="list-style-type: none"> • Incident Management (SOP GRP-OHS-052)

Incident No 5

Incident No 5	<p>Fire in stockpiles of Logs, woodchip and waste residue. Fire in Mill or buildings including workshop.</p> <p>Actions Required (by Shaun Jorgensen and PIRMP Team)</p> <ul style="list-style-type: none"> • Contact all relevant people/departments (refer to Immediate Reporting Contact Sheet) • Area to be restricted to Emergency Response Personnel • Environmental Consultants to be engaged to investigate and remediate contamination if required
Alarm raising	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions to be implemented.
Emergency Controller	<ul style="list-style-type: none"> • Shaun Jorgensen (reporting to Greg Ninness) • Call Emergencies services • Periodic inspections and update reporting of site (Shaun Jorgensen)
Scale of incident	Incident would be restricted to chemical storage area with minimal external impact. However, potential for bund overflow or failure may result in soil and surface water contamination that will require specialist investigation/remediation.
Evacuate	Only if fire or explosion potential exists. Site Supervisor and any advice provided by Fire Dept as part of attendance after immediate notification.
Communications	<p>Internal:</p> <ul style="list-style-type: none"> • Operations Manager • Greg Ninness <p>External mandatory:</p> <ul style="list-style-type: none"> • Immediate Reporting Contact Sheet to be used <p>External non-mandatory: N/A</p>
Rescuer/respondent + safety checks	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Rescue + First Aid	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Clean up and Waste disposal	Service Provider to dispose of diesel and advise on required clean-up.
Reporting and re-preparedness	<p>See SOPs:</p> <ul style="list-style-type: none"> • Incident Management (SOP GRP-OHS-052)

Incident No 6

Incident No 6	<p>Failure of one or more tannin dams</p> <p>Actions Required (by Shaun Jorgensen and PIRMP Team)</p> <ul style="list-style-type: none"> • Contact all relevant people/department (refer to Immediate Reporting Contact Sheet) • Ensure bund integrity is sound throughout the entire period of incident (i.e. periodic inspections) • Contact local neighbours if going to be inundated by rise of water • Area to be restricted to Emergency Response Personnel • If any release from site onto unsealed soil/surface water - Environmental Consultants to be engaged to investigate and remediate contamination if any • Contact local contractor to rebuild dams immediately
Alarm raising	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions to be implemented.
Emergency Controller	<ul style="list-style-type: none"> • Shaun Jorgensen (reporting to Greg Ninness) • Call service provider (Shaun Jorgensen) • Periodic inspections and update reporting of site (Shaun Jorgensen)
Scale of incident	Catastrophic failure of one or more tannin dams are likely to result in off-site impacts to water courses which would predominantly reduce water quality over a short period of time. As such, impact to the environment/human health is not considered to be significant.
Evacuate	Only if fire or explosion potential exists. Site Supervisor and any advice provided by Fire Dept as part of attendance after immediate notification.
Communications	<p>Internal:</p> <ul style="list-style-type: none"> • Operations Manager • Greg Ninness <p>External mandatory:</p> <ul style="list-style-type: none"> • Immediate Reporting Contact Sheet to be used <p>External non-mandatory: N/A</p>
Rescuer/respondent + safety checks	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Rescue + First Aid	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Clean up and Waste disposal	Consultants to be contacted to advice on required clean-up.
Reporting and re-preparedness	<p>See SOPs:</p> <ul style="list-style-type: none"> • Incident Management (SOP GRP-OHS-052)

Incident No 7

Incident No 7	<p>Mobile plant, hydraulic hose or fuel tank failure</p> <p>Actions Required:</p> <ul style="list-style-type: none"> • Contact all relevant people/department (refer to Immediate Reporting Contact Sheet) • Area to be restricted to Emergency Response Personnel • Ensure spill kit available for any release from mobile plant & equipment in general operational areas • In the event that any losses/leaks occur near the creek, containment or diversion structures are to be constructed by on site loader using soil/sand/ or other suitable material to prevent migration to the creek • If any release from mobile plant onto unsealed soil/surface water is investigated and remediated immediately • Call service provider to inspect plant & equipment for serviceability
Alarm raising	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions to be implemented.
Emergency Controller	<ul style="list-style-type: none"> • Shaun Jorgensen (reporting to Greg Ninness) • Call service provider (Shaun Jorgensen) • Spill Kit manager (Emergency Response Personnel)
Scale of incident	Incident would be localized to the area with no external impact.
Evacuate	Only if fire or explosion potential exists. Site Supervisor and any advice provided by Fire Dept as part of attendance after immediate notification.
Communications	<p>Internal:</p> <ul style="list-style-type: none"> • Operations Manager • Greg Ninness <p>External mandatory:</p> <ul style="list-style-type: none"> • Immediate Reporting Contact Sheet to be used <p>External non-mandatory: N/A</p>
Rescuer/respondent + safety checks	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Rescue + First Aid	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Clean up and Waste disposal	Service Provider to dispose of diesel and advise on required clean-up.
Reporting and re-preparedness	<p>See SOPs:</p> <ul style="list-style-type: none"> • Incident Management (SOP GRP-OHS-052)

Incident No 8

Incident No 8	<p>Mobile plant, hydraulic hose or fuel tank failure from contractors / visitors</p> <p>Actions Required (by Shaun Jorgensen and PIRMP Team)</p> <ul style="list-style-type: none"> • Contractor/Visitor to notify site representative of issue immediately. (induction) • Contact all relevant people/departments (refer to Immediate Reporting Contact Sheet) • Area to be restricted to Emergency Response Personnel • Ensure spill kit available for any release from mobile plant & equipment in general operational areas • If any release from mobile plant onto unsealed soil/surface water is investigated and remediated immediately • Call service provider to inspect plant & equipment for serviceability
Alarm raising	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions to be implemented.
Emergency Controller	<ul style="list-style-type: none"> • Shaun Jorgensen (reporting to Greg Ninness) • Call service provider (Shaun Jorgensen) • Spill Kit manager (Emergency Response Personnel)
Scale of incident	Incident would be localized to the area with no external impact.
Evacuate	Only if fire or explosion potential exists. Site Supervisor and any advice provided by Fire Dept as part of attendance after immediate notification.
Communications	<p>Internal:</p> <ul style="list-style-type: none"> • Operations Manager • Greg Ninness <p>External mandatory:</p> <ul style="list-style-type: none"> • Immediate Reporting Contact Sheet to be used <p>External non-mandatory: N/A</p>
Rescuer/respondent + safety checks	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Rescue + First Aid	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Clean up and Waste disposal	Service Provider to dispose of contaminants.
Reporting and re-preparedness	<p>See SOPs:</p> <ul style="list-style-type: none"> • Incident Management (SOP GRP-OHS-052)

Incident No 9

Incident No 9	<p>Car Park/ fuel tank failure</p> <p>Actions Required (by Shaun Jorgensen and PIRMP Team)</p> <ul style="list-style-type: none"> • Contractor/Visitor to notify site representative of issue immediately. (induction) • Area to be restricted to Incident Response Personnel • Ensure spill kit available for any release from mobile plant • If any release from mobile plant onto unsealed soil/surface water is investigated and remediated immediately • Call service provider to inspect plant & equipment
Alarm raising	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions to be implemented.
Emergency Controller	<ul style="list-style-type: none"> • Shaun Jorgensen (reporting to Greg Ninness) • Spill Kit manager (Emergency Response Personnel)
Scale of incident	Incident would be localized to the area with no external impact.
Evacuate	Only if fire or explosion potential exists. Site Supervisor and any advice provided by Fire Dept as part of attendance after immediate notification.
Communications	<p>Internal:</p> <ul style="list-style-type: none"> • Operations Manager • Greg Ninness <p>External mandatory:</p> <ul style="list-style-type: none"> • Immediate Reporting Contact Sheet to be used <p>External non-mandatory: N/A</p>
Rescuer/respondent + safety checks	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Rescue + First Aid	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Clean up and Waste disposal	Service Provider to dispose of contaminate
Reporting and re-preparedness	<p>See SOPs:</p> <ul style="list-style-type: none"> • Incident Management (SOP GRP-OHS-052)

Incident No 10

Incident No 10	Dust from traffic areas Actions Required: <ul style="list-style-type: none"> • Employees, Contractor/Visitor to notify site representative of issue immediately. (induction) • Daily monitoring to be undertaken to capture whether and site conditions • Contact all relevant people/department (refer to Immediate Reporting Contact Sheet) • Dust suppression activity to commence immediately on unsealed roads
Alarm raising	Any personnel involved or witnessing incident to report to immediate supervisor and PIRMP actions to be implemented.
Emergency Controller	<ul style="list-style-type: none"> • Shaun Jorgensen (reporting to Greg Ninness) • Site Supervisor to instruct site personnel (Shaun Jorgensen)
Scale of incident	Incident would be localized to the area with no external impact.
Evacuate	Only if fire or potential exists. Site Supervisor and any advice provided by Fire Dept as part of attendance after immediate notification.
Communications	Internal: <ul style="list-style-type: none"> • Operations Manager External mandatory: <ul style="list-style-type: none"> • Immediate Reporting Contact Sheet to be used if required External non-mandatory: N/A
Rescuer/respondent + safety checks	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Rescue + First Aid	As per Site Emergency Plan or Fire Department as part of Immediate Reporting
Clean up and Waste disposal	N/A
Reporting and re-preparedness	See SOPs: <ul style="list-style-type: none"> • N/A

Incident No 11

Incident No 11	<ul style="list-style-type: none"> Ongoing Ground Water Monitoring (12 monthly)
Alarm raising	If ground water monitoring results indicate potential migration off site, National Environmental Manager to be informed
Emergency Controller	<ul style="list-style-type: none"> Shaun Jorgensen (reporting to Greg Ninness)
Scale of incident	Groundwater results to be reviewed by National Environmental Manager for any further action/notification.
Evacuate	N/A
Communications	<p>Internal:</p> <ul style="list-style-type: none"> Operations Manager <p>External mandatory:</p> <ul style="list-style-type: none"> Immediate Reporting Contact Sheet to be used if required <p>External non-mandatory: N/A</p>
Rescuer/respondent + safety checks	N/A
Rescue + First Aid	N/A
Clean up and Waste disposal	<ul style="list-style-type: none"> National Environmental Manager to advise
Reporting and re-preparedness	<ul style="list-style-type: none"> National Environmental Manager to advise

PIRMP Audit

The objectives of an audit are to maintain compliance with this plan. Internal audits of this Plan will be undertaken every 3 years.

Routine testing of the plan will be conducted annually, and can be completed through the following methods:

- Simulated environmental emergency, or
- Desktop simulations.

PIRMP Review

Pentarch Forestry Narooma will review this management plan routinely every 12 months. The Plan review will include:

- This Document, and
- Legislation, Approval and Licence changes.

Events which may trigger a review of this Plan, or its associated documents include:

- Within 1 month of reporting to the nominated parties in accordance with the plan, after a pollution incident, or
- Modification/Improvement to the system

Revisions are to be coordinated by the Site Supervisor and Environmental Representative. The objectives of a review are:

- To maintain compliance with the statutory requirements, and
- To identify opportunities for improvement in the Plan, and reduce the risk to human health and the environment

PENTARCH FORESTRY PIRMP NOTIFICATION/ PROCEDURE RECORD SHEET		
SITE DETAILS		
Site Name	Site Address	Responsible Person
<p align="center">Notification Procedure</p> <ul style="list-style-type: none"> • Incident to be communicate to Greg Ninness immediately (0401895073) • GN will consider if incidents requires EPA notification • If NOT site supervisor to provide periodic updates of incident status to GN for evaluation on weather EPA or other parties will need to be notified • If Yes GN to call necessary parties of incident and communicate response back to site, GN to receive and provide updates to necessary parties <p>For the coordination of emergency response teams refer to site emergency procedures.</p>		
<p align="center">GOVERNMENT AGENCY CONTACT LIST</p> <p align="center">(document date and time of contact and who contacted) (Police contact is only required if considered necessary)</p>		
<p>EPA Contact: 131 555</p> <p>Date and Time: Person making contact: Instructed Actions:</p> <p>Time of arrival</p>	<p>Fire Brigades Contact: 000</p> <p>Date and Time: Person making contact: Instructed Actions:</p> <p>Time of arrival</p>	<p>Work Cover Contact:</p> <p>Date and Time: Person making contact: Instructed Actions:</p> <p>Time of arrival</p>
<p>Local Government Contact:</p> <p>..... After Hours emergency</p> <p>Date and Time: Person making contact: Instructed Actions:</p> <p>Time of arrival</p>	<p>Department of Health Contact:</p> <p>.....Base Hospital Public Health Unit Environmental Health: 149 377</p> <p>Date and Time: Person making contact: Instructed Actions:</p> <p>Time of arrival</p>	<p>Local Police Contact:</p> <p>.....</p> <p>Date and Time: Person making contact: Instructed Actions:</p> <p>Time of arrival</p>

INCIDENT DETAILS		
Location of Incident:	Emission Type (air, water, land etc.):	Scale of the incident (litres/ m ³ involved):
Date and Time of the Incident:	Internal Persons involved:	
Chemicals /substances involved		
Process Involved		
Details of the incident		
Main Areas/ sensitive areas of concern e.g. water courses, drains etc.		
OTHER CONTACTS IF REQUIRED Y/N		
Community Group Contact Date and Time: Person making contact: Contact method:	Neighbor 1 Date and Time: Person making contact: Contact method:	Neighbor 2 Date and Time: Person making contact: Contact method:
Neighbor 3: Date and Time: Person making contact: Contact method:	Neighbor 4 Date and Time: Person making contact: Contact method:	Neighbor 5 Date and Time: Person making contact: Contact method:

Protocol for industry notification of pollution incidents

Extract from www.environment.nsw.gov.au website

Recent changes to Part 5.7 of the *Protection of the Environment Operations Act 1997* (POEO Act) specify new requirements relating to the notification of pollution incidents.

The changes take effect from 6 February 2012 and require the occupier of premises, the employer or any person carrying on the activity which causes a pollution incident to immediately notify each relevant authority (identified below) when material harm to the environment is caused or threatened. The following information and procedures may assist those responsible for reporting a pollution incident.

Firstly, call 000 if the incident presents an immediate threat to human health or property. 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:

- the appropriate regulatory authority (ARA) for the activity under the POEO Act (usually the EPA or local authority) – the local authority is a local council of an area under the Local Government Act 1993), the Lord Howe Island Board for Lord Howe Island, or the Western Lands Commissioner for the Western Division (except any part of the Western Division within the area of a local council)
- the EPA, if it is not the ARA – phone Environment Line on 131 555
- the Ministry of Health via the local Public Health Unit – see www.health.nsw.gov.au/publichealth/infectious/phus.asp
- the Work Cover Authority – phone 13 10 50
- the local authority if this is not the ARA
- Fire and Rescue NSW – phone 000.

The appropriate contact for the relevant local authority and Public Health Unit will vary. All necessary contact numbers should be found in advance and stored for immediate access should a pollution incident need to be notified. These contact numbers should also be identified in the Pollution Incident Response Management Plan prepared for the premises.

Complying with these 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 Work Cover.