



# Highland Pine Products. Storm Water Management Plan 2018-2020

and the second	Title	Storm Water Management Plan	Doc#	010319
Highland, Pine Products Rty Ltd. Actions 000 404 A. doint Tenture Compute Setteren	Related to	Site EMP	Revision	3
Bonal Timber and AIO Softwoods	Date of Issue	1/3/19	Review Freq	2 yearly
Purpose: To detail the site process for the management of stormwater				

# Contents

Introduction	2
Background	2
Legal Requirements	3
Objectives and Performance Outcomes	3
Stormwater System Summary	4
Highland Pine Products site 1	4
Highland Pine Products site 2.	4
Structures within System	5
Criteria and Guideline Values – HPP Site 2	5
Stormwater	5
Sediment	6
Criteria and Guideline Values – HPP Site 1	7
Stormwater	7
Management Safeguards and controls	8
Controls on site	8
Cleaning and Maintenance of System	8
Training and Responsibilities	9
Reporting and Review	11
Reporting.	11
Review	11
Appendix 1 – Environmental Protection Licence – 11229 and 887	12
Appendix 2 – Surface water flow – Site overview.	13
Appendix 3 – Surface water flow – HPP Site 1.	14
Appendix 4 – Surface water flow – HPP Site 2.	15

Review Date Review Team		Review Team	Changes Made (Section)
1.	Dec 2014	SK, BG	Update historical document. All sections updated
2.	Dec 2016	PS, BG	Minor updates/review
3.	Dec 2018	SK, BG	Doc rewrite. Update due to changes to ownership.

Prepared by	Position	Approved by	Position	Company	Page		
S Kavalieros	Management	B Gawehn	Engineering and	HPP	1		
EHSR Group	Representative		Environment Manager				
	Printed Documents are uncontrolled						

and the second	Title	Storm Water Management Plan	Doc#	010319
.Highland Pine Products Pty Ltd. Activity 1999 444 A Joint France Company Between	Related to	Site EMP	Revision	3
Boral Timber and AXD Softwoods	Date of Issue	1/3/19	Review Freq	2 yearly
Purpose:	Purpose: To detail the site process for the management of stormwater			

# INTRODUCTION

The purpose of this plan is to document processes and procedures implemented by Highland Pine Products (HPP) with regard to storm water management at its two manufacturing facilities at Oberon NSW. Historically this plan considered the integrated stormwater system including impacts by adjacent facilities on stormwater quality. A recent change of ownership has necessitated the need to update this document to consider impacts from the HPP site 1 (HPP1) and Site 2 (HPP2) facilities only.

Broadly, this plan documents the required management and controls for a number of potential impacts to storm water across the complex being;

- Historical contamination of Organochlorine pesticides (OCP's);
- Impact of spills;
- Sediment (unsealed surfaces) and wood fibre.
- Use of termiticide in the solid wood treatment process; and
- Large volume of fuels and oils used across the complex.

All of the above have the potential to negatively impact on sensitive aquatic ecosystems found in the receiving environment.

# BACKGROUND

In 2008, then owners (Carter Holt Harvey (CHH)) entered into an agreement with the DECC (now the NSW EPA) to complete a remediation action plan (RAP) across the Oberon Timber Complex. After numerous investigations over the previous 10 years, historical Organo-Chlorine Pesticide (OCP) contamination was found in drainage line sediments and at discreet locations.

A Remediation Action Plan (RAP) was developed to control and prevent the mobilization of major sediment sources impacted with the pesticides Aldrin and Dieldrin, and to contain potentially impacted soils and sediments in-situ under concrete capping. Aldrin was used in the manufacture of particleboard prior to the 1970's to protect it from termites.

Prepared by	Position	Approved by	Position	Company	Page		
S Kavalieros	Management	B Gawehn	Engineering and	HPP	2		
EHSR Group	Representative		Environment Manager				
	Printed Documents are uncontrolled						

and the second	Title	Storm Water Management Plan	Doc#	010319
Highland Pine Products Pty Ltd Art 001 009 44 A. Joint France Company Between	Related to	Site EMP	Revision	3
Boral Timber and AIO Softwoods	Date of Issue	1/3/19	Review Freq	2 yearly
Purpose: To detail the site process for the management of stormwater				

This Remediation Action Plan was implemented in 2010 and completed in early 2011. The objectives of the plan were to;

- remove contaminated material above a certain threshold.
- Cap known contamination "hot spots" under concrete to prevent human exposure or any further contamination of storm water.
- Implement processes to ensure future work completed on the site does not result in further migration of contamination.
- Remove underground services from known impacted areas to eliminate the need for future excavation.

To prevent surface water from potentially mobilizing any remaining contaminants, specific areas on the HPP2 site where the contamination was potentially located have been covered with concrete. Areas covered included around the HPP2 Planermill baghouse and the main stormwater channel reaches 1 and 2. No remediation or capping was undertaken at HPP1.

# LEGAL REQUIREMENTS

The *Protection of the Environment Operations* Act 1997 is the key piece of environmental protection legislation administered by the New South Wales Environment Protection Agency (NSWEPA) to authorize the undertaking of scheduled activities in NSW.

Under this legislation Highland Pine Products site 1 & 2 are issued with an Environmental Protection License (EPL) to operate subject to satisfying the various conditions which include emissions to air and water, waste disposal and requirements for monitoring and reporting. The Highland Pine Products Site 1 and 2 EPL's are attached as **Appendix 1**.

# **OBJECTIVES AND PERFORMANCE OUTCOMES**

The following objectives and performance outcomes for stormwater management on the sites are provided in **Table 1: Objectives and performance outcomes**.

Prepared by	Position	Approved by	Position	Company	Page	
S Kavalieros	Management	B Gawehn	Engineering and	HPP	3	
EHSR Group	Representative		Environment Manager			
Printed Documents are uncontrolled						

a which a final way	Title	Storm Water Management Plan	Doc#	010319
Highland Pine Products Pty Ltd. Action 505 404 A Joint France Compary Between	Related to	Site EMP	Revision	3
Boral Timber and AXD Softwoods	Date of Issue	1/3/19	Review Freq	2 yearly
Purpose:	urpose: To detail the site process for the management of stormwater			

Objectives	Performance outcomes		
Comply with all statutory requirements.	All stormwater flowing from site meets license limits where		
	required.		
Ensure all monitoring is undertaken in accordance with requirements of SWMP.	All monitoring undertaken at specified frequency and results reported		
Ensure integrity of concrete drains and	Vehicular access to certain areas restricted, damage repaired		
shotcrete remains intact.	ASAP, no vehicular movements on shotcrete areas.		
Maintain controls to ensure stormwater	Compliance with license limits.		
quality objectives are met.			
Reduce impacts through the better	Reduction of potential for pollutants to reach the receiving		
management of risk	environment through better understanding of risk mitigation.		
Table 1: Objectives and Performance Outcom	nes.		

# STORMWATER SYSTEM SUMMARY

Highland Pine Products 2 consists of two operational entities, Highland Pine Products Site 1 and 2 in Oberon. A summary of the stormwater system is provided below. An overview of the stormwater system is attached as **Appendix 2**.

## HIGHLAND PINE PRODUCTS SITE 1.

Stormwater, including roof water is collected from within the site by a series of sumps and pipes into four main drains from the west toward the eastern boundary (**Appendix 3**). The main drains discharge into three pipes located underneath Lowes Mount Road into a railway drain (Piped) heading north until intersecting the Borg MDF drainage system.

Given a high portion of HPP1 is unsealed and heavily trafficked, impacts to stormwater are BOD, TSS and TPH. Controls have been implemented to mitigate these impacts.

Once on Borg land, stormwater then flows via vegetative channel under an easement to the North/East corner of the property prior to discharge at the Northern V Notch (licensed discharge point) into a tributary of Kings Stockyard Creek.

## HIGHLAND PINE PRODUCTS SITE 2.

Stormwater, including roof water on the eastern and southern areas of the site are collected in a series of surface drains and underground pipes prior to discharging into the main stormwater discharge channels reach 1 and channel reach 2. (**Appendix 4**). Process water is captured within a separate system for treatment. For sampling purposes, the discharge point for the site is at the end of channel reach 2.

Prepared by	Position	Approved by	Position	Company	Page		
S Kavalieros EHSR Group	Management Representative	B Gawehn	Engineering and Environment Manager	НРР	4		
	Printed Documents are uncontrolled						

and the second	Title	Storm Water Management Plan	Doc#	010319
Highland, Pine Products Rty Ltd. Action 0000 404 A doubt Fature Courses Between	Related to	Site EMP	Revision	3
Boral Timber and AIO Suffwoods	Date of Issue	1/3/19	Review Freq	2 yearly
Purpose:	e: To detail the site process for the management of stormwater			

Stormwater from the logyard drains to the interceptor basin located on the eastern edge main storage area prior to discharge to a settlement dam located at the northern end of the Highland Pine Products Site 1. The process allows for sediment removal prior to discharge to the existing stormwater system. In high flows, stormwater from the logyard interceptor basin will bypass the dam and flow into the main Stormwater drain.

With the site predominantly sealed, impacts from the HPP2 site to stormwater are greatest from the Logyard through wood fibre, BOD, TSS and TPH. Structures within the system have been installed to mitigate these impacts.

# STRUCTURES WITHIN SYSTEM

A series of First Flush Dams, Gross pollutant traps, trash racks and Penstock gate valves have been installed within the stormwater system to manage pollutants and minimize risk to the receiving environment in the event of a loss of containment. The system has been designed to;

- capture and retain the first 10mm of stormwater falling on process areas First flush dams;
- remove larger floating objects such as bark, plastic bottles trash racks;
- remove sediments gross pollutant traps;
- allow for closure of the system in case of spills e.g. chemicals, oils Penstock or emergency gate valves.
- Over/under weirs control of oil spills.

# CRITERIA AND GUIDELINE VALUES – HPP SITE 2

Under agreement with the adjacent land owner (Borg), stormwater discharging off HPP2 is not required to meet specific water quality values. HPP2 must work with Borg should water quality deteriorate and results report outside guideline values as detailed in **Table 2** and **Table 3**, below.

# STORMWATER

Stormwater sampling will be undertaken from the final discharge point at the end of Channel Reach 3 on the Structaflor site by Borg. Should guideline values be exceeded, Borg will notify HPP and collectively review potential pollutant sources for rectification.

Prepared by	Position	Approved by	Position	Company	Page
S Kavalieros	Management	B Gawehn	Engineering and	HPP	5
EHSR Group	Representative		Environment Manager		
Printed Documents are uncontrolled					

and her her and	Title	Storm Water Management Plan	Doc#	010319
Highland Pine Products Pty Ltd Art 001 009 44 A. Joint France Company Between	Related to	Site EMP	Revision	3
Boral Timber and AIO Softwoods	Date of Issue	1/3/19	Review Freq	2 yearly
Purpose:	To detail the s	ite process for the management of	stormwater	

HPP will complete quarterly Due Diligence testing on surface water from the final HPP discharge point (end of Channel Reach 2) to assess impacts of its operations on stormwater considering analytes and criteria below.

Analyte	Units	Criteria/Guideline	Documented
рН	рН	6.5 – 8.5	EP License 11566 <sup>1</sup>
Total suspended solids (TSS)	mg/L	30	EP License 11566
Oil and Grease	mg/L	10	EP License 11566
Aldrin	mg/L	0.03	EP License 3035 <sup>2</sup>
Dieldrin	mg/L	0.03	EP License 3035
Methylene blue active	mg/L	0.5	EP License 3035
substances (MBAS)			
Colour	Hazen	160	EP License 3035
Biological oxygen demand	mg/L	20	EP License 3035

Table 2: Stormwater Analytes and Guideline Values (HPP2).

1. Borg Structaflor - EP License 11566

2. MDF Borg - EP License 3035

### SEDIMENT

Sediments collected in the final Gross Pollutant Trap along channel reach 3 will be sampled prior to removal and disposal. The following guidelines will be used. Note the requirement to test sediment is subject to a positive surface water testing for OCP's (completed by Borg).

Table 5.2. Sediment guideline values.

Analyte	Units	Guideline
Total Petroleum Hydrocarbons (TPH)	mg/kg	65 <sup>(1)</sup>
C6–C9		
ТРН С10 – С36	mg/kg	1,000 <sup>(1)</sup>
Polycyclic Aromatic Hydrocarbons (PAH)	mg/kg	$100^{(2)} - 4,000^{(4)}$
Aldrin and Dieldrin	mg/kg	$2^{(3)} - 50^{(2)}$
DDT+DDD+DDE (total)	mg/kg	$1.6^{(4)} - 1,000^{(2)}$
Table 2. Calling ant Cuidaling Maluss (UDD2)		

#### Table 3: Sediment Guideline Values (HPP2).

1. NSW EPA, 1994. Guidelines for assessing Service Station Sites, for sensitive land use, such as residential with access to soils

2. NSW EPA, 2006. Guidelines for the NSW Site Auditor Scheme (2<sup>nd</sup> edition), Health based investigation levels for industrial use

3. Chemical Control Orders, 2004. Scheduled waste under the Environmentally Hazardous Chemicals Act, 1985.

4. ANZECC, 2000. Australian and New Zealand Guidelines for Fresh Water Quality – Interim sediment quality guidelines (ISQG) low.

Sediment exceeding the Chemical Control Order (CCO) for scheduled chemicals of 2mg/kg will need to be either contained on site or disposed of to a licensed landfill. Concentrations of up to 50mg/kg can remain on site but are regulated by the Chemical Control Order. Sediments below the scheduled

Prepared by	Position	Approved by	Position	Company	Page	
S Kavalieros	Management	B Gawehn	Engineering and	HPP	6	
EHSR Group	Representative		Environment Manager			
	Printed Documents are uncontrolled					

and her her and	Title	Storm Water Management Plan	Doc#	010319
Highland Pine Products Pty Ltd Art 001 009 44 A. Joint France Company Between	Related to	Site EMP	Revision	3
Boral Timber and AIO Softwoods	Date of Issue	1/3/19	Review Freq	2 yearly
Purpose: To detail the		ite process for the management of	stormwater	

chemicals limit of 2mg/kg may be put into the waste pile for fuel as it will mainly be organic material or reused on site or disposed of to the local landfill.

If sediment levels above guideline values as detailed in **Table 3** are detected, HPP and Borg will work together to;

- Identify the source of contaminants, and
- Detail how contaminated waste will be collected and disposed of in accordance with the CCO.

# CRITERIA AND GUIDELINE VALUES – HPP SITE 1

## STORMWATER.

Highland Pine site 1 Environmental Protection Licence (EPL 887) provides limits that must be met for surface water quality prior to discharge. Under agreement with the adjacent landowner (Borg), surface water travels via a vegetative channel on Borg land before its final discharge point at the Northern V Notch.

HPP 1 water quality must be compliant with the EPL limits detailed in **Table 4** at the Northern V Notch.

Analyte	Unit	EPL 100 Percentile Limit
BOD	mg/l	20
Oil and Grease	mg/l	10
рН	pH units	6.5-8.5
Total Suspended Solids	mg/l	30
Total Iron	mg/l	No Limit
Filterable Iron	mg/l	No Limit
MBAS	mg/l	No Limit
Nitrate	mg/l	No Limit
Nitrite	mg/l	No Limit
TKN	mg/l	No Limit
Turbidity	NTU	No Limit

#### Table 4: HPP1 Analyte and Surface Water criteria.

In 2011, Borg diverted flow from the drainage channel prior to discharge from the Northern V Notch back into the Borg Water Treatment Plant. With no discharge, no monitoring or data has been collected since 2011. Should flow return to the Northern V notch in future, water will be assessed considering the above criteria on a monthly basis.

Prepared by	Position	Approved by	Position	Company	Page
S Kavalieros	Management	B Gawehn	Engineering and	HPP	7
EHSR Group	Representative		Environment Manager		
Printed Documents are uncontrolled					

	Title	Storm Water Management Plan	Doc#	010319
Highland, Pine Products Rty Ltd. Art 500 509 444 A. doith Tentrare Company Between	Related to	Site EMP	Revision	3
Boral Timber and AIO Softwoods	Date of Issue	1/3/19	Review Freq	2 yearly
Purpose: To detail the		ite process for the management of	stormwater	

# MANAGEMENT SAFEGUARDS AND CONTROLS

# CONTROLS ON SITE

Physical controls for the protection of stormwater quality exist on both sites and include the following:

- Bunding of bulk chemical and diesel storages.
- Dedicated roadways for truck and forklift traffic.
- Segregation of clean and dirty areas for process waters and stormwater.
- Treatment of first flush water.
- Concrete and shotcrete cover of remaining potentially contaminated areas.
- Bunding and safe storage for small (<50L) chemicals.
- Penstock gate valves to allow for shutting down stormwater system in the event of a spill or fire emergency.
- Gross pollutant traps to manage solids on HPP2 and HPP1
- Trash Screens.

In support of these various operational procedures exist and include the following;

- Emergency response plan
- Emergency response flip charts.
- Pollution incident response management plan.
- Environment Policy.
- Spill SoP.

# CLEANING AND MAINTENANCE OF SYSTEM

Cleaning of the production areas and stormwater system is essential to ensuring that the final water quality discharging from the site is within license limits. Maintenance of the stormwater system is essential to ensure that the system runs smoothly and that in the event of an emergency all items of equipment are operational. The cleaning and maintenance items related to the stormwater system are summarized in **Table 5**.

Prepared by	Position	Approved by	Position	Company	Page	
S Kavalieros	Management	B Gawehn	Engineering and	HPP	8	
EHSR Group	Representative		Environment Manager			
	Printed Documents are uncontrolled					

and her her and	Title	Storm Water Management Plan	Doc#	010319
Highland, Pine Products Rty Ltd Actions 000 404 A. doint Tenture Compute Setteren	Related to	Site EMP	Revision	3
Boral Timber and AIO Softwoods	Date of Issue	1/3/19	Review Freq	2 yearly
Purpose: To detail the si		ite process for the management of	stormwater	

Action	Frequency	Reason
Clean logyard - Surface with loader	As needed, but not less than twice per shift	Remove bark and debris from the logyard and prevent it washing into the stormwater system during rain. Reduce sediment load and colour (Tannins) impact to stormwater.
Remove stockpiled bark and wood debris	Daily	Reduce wood debris and release of tannins from stockpiled material discharging to stormwater.
Clean under log deck HPP2	Twice per shift	Reduce wood debris, and release of tannins from stockpiled material discharging to stormwater.
Clean trash racks Channel reach 1 and Channel reach 2	Following heavy rainfall or monthly	Remove large floating objects and any obstruction to flow through screens/racks
Clean Stormwater drains in main stormwater channel using a bobcat. Channel reach 1, Channel reach 2 and interceptor basin	As required – at least on a quarterly basis	Remove bark and debris and reduce colour discharge to stormwater. Prevent build-up of sediments and maintain free board in Gross pollutant trap for storm events
Clean First flush dam using excavator	As required	Remove sediments and debris to reduce colour and sediment to stormwater
Check working of Penstock gate valves, undertake maintenance as necessary	Monthly	Gate valves need to be operational in event of an emergency spill on site.
Clean and maintain Site 1 first flush system including pump-out	quarterly	Pump out system. Remove sediments accumulated in sump.
Clean and maintain site 1 discharge pits (x3).	6 monthly	Assess solids – complete check-sheet and maintain as required.

Table 5: Stormwater system maintenance requirements.

The items listed above will be included in daily work tasks for operational personnel.

## TRAINING AND RESPONSIBILITIES

All personnel and contractors are required to complete a full site induction (including assessment) prior to undertaking any work across HPP (both sites). The induction has specific environmental requirements including what to do in the event of a spill. Pollution incident response training is carried out annually for all site-based personnel. All routine tasks are managed by Standard Operating Procedures (SoP's) and non-routine tasks are managed through the RADAR process.

The following summary is provided of the personnel who will be responsible for actions, monitoring and reporting at HPP. As HPP operates on a 24 hour, 7 day a week roster, in some cases both the week day and other shift personnel have been nominated to cover all eventualities. A detailed responsibility matrix is attached as **Table 6** with specific responsibilities assigned to all site personnel.

Prepared	ру	Position	Approved by	Position	Company	Page		
S Kavalier	S	Management	B Gawehn	Engineering and	HPP	9		
EHSR Grou	ıp	Representative		Environment Manager				
	Printed Documents are uncontrolled							

Highland Pine Products Pty Ltd. Kalos os 44 A.diat Watter Compared Reven. Boril Timber and M3 betweeds	Title	Storm Water Management Plan	Doc#	010319
	Related to	Site EMP	Revision	3
	Date of Issue	1/3/19	Review Freq	2 yearly
Purpose: To detail the site process for the management of stormwater				

Function	General	Environment	Prod/Shift	Eng/Maint	Operators	Maintenance	Contractors
	Manager	Manager	leader	Manager		personnel	
Legal and other requirements							
Compliance with legal requirements	X	x	x				
Comply with SWMP objectives and		X	x	x			
performance outcomes							
Operational control		X	x				
Protection of integrity of concrete and			x	x	x	X	Х
shotcrete areas							
Adherence to procedures for excavation				x		x	х
Removal of rubbish from trash racks, sediments from Gross Pollutant Traps				x		x	X
Maintain emergency response –				x		X	
Penstock gate valves							
Monitoring and measurement		x	x	x	x		
Surface water monitoring		x	x				
Sediment monitoring		x	X				
Training and awareness		x	x				
Develop program and conduct training of employees		X	x				
Communication (Internal and External)	х	x					
Authority liaison (NSW EPA, etc.)	х	х					
Report incidents	X	x	x	X	X	x	x
Reporting and Review		x	x	X			
Report results		x		X			
Review SWMP annually		x	x	x			
Documentation and Document Control	x	x					
Control and update procedures		х	х	х			
(including excavation)							

Table 6: Responsibility Matrix.

Production manager or Shift supervisor/Leader is responsible for;

- allocating suitably trained and competent personnel to isolate the stormwater system at the Penstock gate valve/s in the event of a spill or fire event; and
- Activating the Pollution Incident Response Plan (PIRMP) in the event of a loss of containment.

Prepared by	Position	Approved by	Position	Company	Page		
S Kavalieros	Management	B Gawehn	Engineering and	HPP	10		
EHSR Group	Representative		Environment Manager				
Printed Documents are uncontrolled							

Highland Pine Products Pty Ltd.	Title	Storm Water Management Plan	Doc#	010319	
	Related to	Site EMP	Revision	3	
Boral Timber and AXD Softwoods	Date of Issue	1/3/19	Review Freq	2 yearly	
Purpose:	To detail the site process for the management of stormwater				

- visual inspection of any affected stormwater;
- collecting a sample for analysis if directed by the Environment Manager.

## Environmental Manager is responsible for;

- ensuring that all monitoring of surface water is undertaken in accordance with the EP license and this plan;
- coordinating and overseeing major spill clean—up and or fire water containment activities and ensure that monitoring of surface waters is undertaken; and
- activation of the PIRMP if required.

# **REPORTING AND REVIEW**

## REPORTING.

An Annual Return in the approved format in accordance with Condition R1 of the EPL must be completed and supplied to the NSW EPA. The Annual return comprises the monitoring, including surface water monitoring required under the license, complaints summary along with all noncompliances that have occurred through-out the reporting period.

The Annual Return must include a Statement of Compliance signed by a HPP Director or delegated authority and submitted to the NSW EPA within 60 days of the end of the reporting period.

## Review

To ensure ongoing conformance with the Stormwater Management Plan and the performance of the system, an annual review of the plan will be undertaken. This process will involve the following;

- Critically examine key objectives and performance outcomes, and the monitoring data collected during the year;
- Identify issues and processes that do not satisfy the minimum performance standards established within this plan;
- Establish and document action plans in response to any unsatisfactory findings in the review process; and
- Maintain records sufficient to demonstrate that the management review process has been implemented.

Prepared by	Position	Approved by	Position	Company	Page			
S Kavalieros	Management	B Gawehn	Engineering and	HPP	11			
EHSR Group	Representative		Environment Manager					
	Printed Documents are uncontrolled							

	Title	Storm Water Management Plan	Doc#	010319		
Highland Pine Praducts Pty Ltd Action 509 44 A. dout Facture Company Petersen	Related to	Site EMP	Revision	3		
Boral Timber and AID Softwoods	Date of Issue	1/3/19	Review Freq	2 yearly		
Purpose:	To detail the s	To detail the site process for the management of stormwater				

APPENDIX 1 – ENVIRONMENTAL PROTECTION LICENCE – 11229 AND 887

Prepared by	Position	Approved by	Position	Company	Page		
S Kavalieros	Management	B Gawehn	Engineering and	HPP	12		
EHSR Group	Representative		Environment Manager				
Printed Documents are uncontrolled							

and the second second	Title	Storm Water Management Plan	Doc#	010319
Highland Pine Praducts Pty Ltd Actions 555 404 A. doint Fanture Compute Peteren	Related to	Site EMP	Revision	3
Boral Timber and AUD Softwoods	Date of Issue	1/3/19	Review Freq	2 yearly
Purpose: To detail the site process for the management of stormwater				

APPENDIX 2 – SURFACE WATER FLOW – SITE OVERVIEW.

Prepared by	Position	Approved by	Position	Company	Page			
S Kavalieros	Management	B Gawehn	Engineering and	HPP	13			
EHSR Group	Representative		Environment Manager					
	Printed Documents are uncontrolled							

and the second second	Title	Storm Water Management Plan	Doc#	010319
Highland Pine Praducts Pty Ltd Actions 555 404 A. doint Fanture Compute Peteren	Related to	Site EMP	Revision	3
Boral Timber and AUD Softwoods	Date of Issue	1/3/19	Review Freq	2 yearly
Purpose: To detail the site process for the management of stormwater				

APPENDIX 3 – SURFACE WATER FLOW – HPP SITE 1.

Prepared by	Position	Approved by	Position	Company	Page			
S Kavalieros	Management	B Gawehn	Engineering and	HPP	14			
EHSR Group	Representative		Environment Manager					
	Printed Documents are uncontrolled							

Highland Pine Products Pty Ltd. ACTION OF 44 Addit Writer Company Reven	Title	Storm Water Management Plan	Doc#	010319		
	Related to	Site EMP	Revision	3		
Boral Timber and AUD Softwoods	Date of Issue	1/3/19	Review Freq	2 yearly		
Purpose: To detail the site process for the management of stormwater						

APPENDIX 4 – SURFACE WATER FLOW – HPP SITE 2.

Prepared by	Position	Approved by	Position	Company	Page			
S Kavalieros	Management	B Gawehn	Engineering and	HPP	15			
EHSR Group	Representative		Environment Manager					
Printed Documents are uncontrolled								