

Lot: 1 Plan: M97367
 Category: HAZARDOUS CONTAMINANT
 LGA: ISAAC REGIONAL COUNCIL
 Site Name: HAZ CONTAM - BOON CRANES
 Street: BELYANDO AVENUE
 Suburb: MORANBAH QLD Post Code: 4744
 Owner: BRAMBLES AUSTRALIA LIMITED
 Owner Address: PO BOX 192
 CLAYFIELD QLD
 Post Code: 4011
 Parcel Status: D Area: 33740 m²
 Site Inspection (SMP) Date:
 SMP Compliance Y/N:

Rec Type: BP Id: 65273
 Region: Hist. Id:
 AMA/AN:
 Notified By: OWNER Notif Rec'd: 20/07/2006
 Entry Date: 25/08/2006 Last Altered Date: 17/04/2007
 50 - HAZARDOUS CONTAMINANT
 Notifiable Activities:
 File: BNE31223 Officer:
 Offsite Disposal Date: IPA Date:
 Ext Ref:
 Haz Cont: C15 - C28 9400ppm; C29 - C36 7300ppm

Lot: <input type="text" value="2"/>	Plan: <input type="text" value="SP253180"/>	Rec Type: <input type="text" value="NP"/>	Id: <input type="text" value="100664"/>
Category: <input type="text"/>		Region: <input type="text"/>	Hist. Id: <input type="text"/>
LGA: <input type="text" value="ISAAC REGIONAL COUNCIL"/>		AMA/AN: <input type="text"/>	
Site Name: <input type="text"/>	Notified By: <input type="text"/>	Notif Rec'd: <input type="text"/>	
Street: <input type="text"/>	Entry Date: <input type="text" value="03/07/2012"/>	Last Altered Date: <input type="text"/>	
Suburb: <input type="text"/>	Post Code: <input type="text"/>		
Owner: <input type="text"/>	Notifiable Activities: <input type="text"/>		
Owner Address: <input type="text"/>			
<input type="text"/>			
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<input type="text"/>			
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Parcel Status: <input type="text" value="C"/>	Area: <input type="text"/> m ²	File: <input type="text"/>	Officer: <input type="text"/>
Site Inspection (SMP) Date: <input type="text"/>		Offsite Disposal Date: <input type="text"/>	IPA Date: <input type="text"/>
SMP Compliance Y/N: <input type="text"/>		Ext Ref: <input type="text"/>	
		Haz Cont: <input type="text"/>	

IPA APPLICATION FILE NOTE

Street Address: 1 Belyando Avenue, Moranbah
Lot 1 on Plan M97367

Applicant: Brambles Industrial Services
App'n No: Belyando/4/04(1)
File No: 900850
Council: Belyando Shire

On EMR for: No. No N.A. listed on Lot/s -

Any new ERA's?: No.

Existing ERA's?: Yes, ERA 28 - Motor Vehicle Workshop

Responsibility: Devolved to Local Authority

Referral Coordination: No

Proposal: DP-MCU for office complex, workshop and accommodation. The site currently supplies crane services to the coalfields which now needs a workshop facility to meet maintenance requirements of our equipment.

Current Use: Office complex and workshop and accommodation

Past Use:

Recommendation:

As the site is not currently used for a notifiable activity but will be in the future I recommend providing concurrence with the following conditions:
The removal of any potentially contaminated soil from this site requires prior approval from the Environmental Protection Agency (EPA) (Contaminated Land Unit) under the Environmental Protection Act 1994 (EP Act). section 424 of

Information supplied to the Environmental Protection Agency (EPA) (Contaminated Land Unit) to date indicates that Motor Vehicle Workshop has been identified as potentially occurring on this site. Notifiable Activity 29 Petroleum Product and Oil Storage involves the storing of petroleum products or oil.

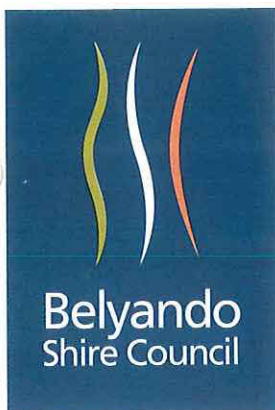
It is a requirement of the EP Act that if the owner or occupier of this site becomes aware a Notifiable Activity (as defined in Schedule 2 of the EP Act) is being carried out on this land they must, within 30 days after becoming aware the activity is being carried out, give notice to the EPA. A list of Notifiable Activities and a Notification of Land form is attached for your information.

sch4p4(6) Personal information

sch4p4(6) Personal information

p4(6) Personal information

Personal information



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Clermont Qld 4721
Telephone
(07) 4983 1133
Facsimile
(07) 4983 2978

15 April 2004

Attention- Anita Packwood

Environmental Protection Agency
Contaminated Land Unit
PO Box 2771
BRISBANE QLD 4001

Dear Sir,

APPLICATION NUMBER: BELYANDO/4/4(1)
FILE NUMBER: 900850
REFERRAL DATE: 19/4/2004
DATE INFO REQUEST DUE: 4/5/2004
RCU No.
OFFICER:
CONTAMINATED LAND SECTION
19 APR 2004

RE: DEVELOPMENT APPLICATION – BRAMBLES, MORANBAH

Please find attached copy of the development application from Brambles Industrial Services regarding a material change of use of land currently being used as a depot, workshop, office and accommodation.

Council's consultant planners believe a copy should have been sent to you as a concurrence agency (trigger 8(b)). I would be pleased if you would assess the application and respond at your earliest convenience.

The original zoning in 1997/98 was as Special Purposes (Freight Depot & Plant Hire). Over the years this has changed and with the proposal to provide staff accommodation triggered the necessity to tidy up the use issue, as well.

Council is also seeking some additional information, which includes:

- A detailed site plan, drawn to an appropriate scale, showing:
 - i) location of proposed landscaping;
 - ii) location and dimensions of buildings and structures;
 - iii) setbacks and boundary clearances;
 - iv) car-parking and manoeuvring areas;
 - v) external lighting arrangements including security lighting;
 - vi) storage areas for hazardous substances; and
 - vii) all other site features



FAXED
16/4

- A landscaping plan detailing the location, extent, densities and species of proposed planting, sand and other external treatments.
- Details regarding the hazardous materials stored on site including;
 - i) the type of hazardous materials;
 - ii) quantity of each hazardous materials; and
 - iii) storage area/s for each of the materials.

Should this information be of assistance to you please do not hesitate to contact Council's Manager of Environmental Services on 49 417 254.

In any future correspondence please quote Subject/99730 as the reference details.

Yours faithfully

sch4p4(6) Personal information
 John Personal Personal Executive Officer
Personal

Encl.

Chief Executive Officer
Belyando Shire Council

Material Change of Use

On behalf of Brambles Industrial Services we request a Material Change of Use at Lot 1 Belyando Avenue, Moranbah. Brambles received an approval for rezoning of the premises Drive-in Picture Theatre in 1998 to special facilities (Freight Depot & Plant Hire). Since then the nature of our business now includes office complex, workshop and accommodation. It has become necessary for Brambles due to our contract with BMA which require us to supply operators for call out's 24 hours per day, also the increasing difficulty in supply suitable accommodation in Moranbah for our employees.

Brambles are an International company which employee 30 mainly local people with a lasting commitment to supply services to the Coal Industry for many years to come.

I hope this submission meets with your approval.

Yours sincerely

sch4p4(6) Personal information

David Bampton
Manager

Environmental Application Brambles Moranbah Cranes

Details of Land

The land adjacent to the Brambles Depot on the northern, southern and eastern sides is natural land. Natural run off occurs as there is no man made storm water systems in place.

Water course distance

The closest watercourse to the Brambles Depot located at Lot 1 Belyando Avenue Moranbah, is situated approximately some 4klms to the south where a creek crosses the road when entering the township of Moranbah.

Material Storage

The Brambles depot supplies crane services to the coalfields and to a lesser extent to the township of Moranbah. To meet the needs of our operation, a workshop facility is required to meet maintenance requirements of our equipment. A full inventory of non-and Hazardous substances is attached for your perusal. An MSDS register is maintained for these products. As detailed, most of the products are utilised for the purpose of servicing and maintenance of equipment and are stored in appropriate cabinets, in bunded areas and pallets specifically designed to meet Environmental requirements. Our crane activities are based on a 24hr service to our clients BMA. Cranes based at our depot, mobile to the various mine sites and return to the depot after the completion of work. Workshop activities are also extended to Brambles equipment, which is stationed at the mine site and brought back to the Moranbah depot for servicing and maintenance. Field maintenance activities also occur with a fully equipped service vehicle.

Storm Water Disposal & Waste Control

Storm water disposal is by natural run off. Workshop activities where the possibility of containments being spilled is conducted in the workshop bays under cover to the North of the administration office. Specific bunding and catchment areas have been designed and built to capture all contaminants so that the approved and authorised waste contractor can recover them. Negotiations re trade waste flows are to be discussed and determined by the Belyando Shire Council and Brambles cranes Moranbah in the near future. All hard wastes with regards to filters, tyres, batteries and containers etc, are disposed of by the authorised contractor.

Brambles

INDUSTRIAL SERVICES

Attention

Mr Tony Goldsworthy
Manager Environmental Services
Belyando Shire Council
P O Box 229
Clermont 4721

Dear Tony,

Please find attached application, policy, notes and plan for our application for a permit to conduct workshop activities at our business premises at Lot 1 Belyando Avenue Moranbah. Our Environmental Management Plan covers the following areas.

T A B L E O F C O N T E N T S

ESMP 1.0 AIR QUALITY

ESMP 2.0 HAZARDOUS SUBSTANCES

ESMP 3.0 NOISE CONTROL

ESMP 4.0 STORAGE & MAINTENANCE OF MACHINERY

ESMP 5.0 REHABILITATION

ESMP 6.0 REHABILITATION OF REJECTS
AREA

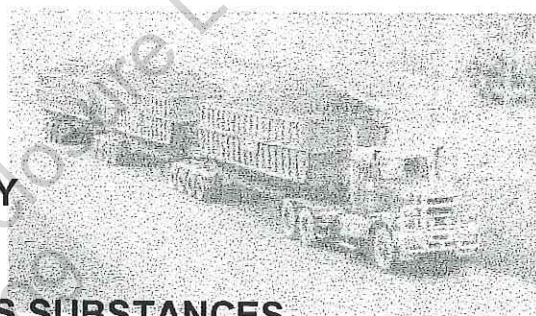
ESMP 7.0 WASTE MANAGEMENT

ESMP 8.0 REHABILITATION OF SEDIMENT
DAMS

ESMP 9.0 NOXIOUS WEEDS

ESMP 10.0 FIRE CONTROL

ESMP 11.0 DIRTY WATER MANAGEMENT



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INDUSTRIAL SERVICES

Some of the areas listed in the EMP table of contents are not applicable to the Moranbah Depot, however our employees travel to and from the depot to mining areas which do come under some of the specifics of the EMP and hence they are listed for this reason..

Please find our comments to activities with respect to the applicable areas of compliance in our application for a licence at our Moranbah Depot.

Schedule A –Activity

Prevent and/or minimise likelihood of environmental harm

Maintenance of measures, plant and equipment

(A1-1)(A2-1)

- All cranes carry spill kits in the event of unplanned spills occurring.
- All crane-servicing requirements are conducted in the specified area located in the northeast corner of the property. This area is directly linked to the environmental pit, which catches all sediments, contaminated water and oil.
- All wash down activities are conducted in the covered area as previously described and contained in the catchment pit.
- Regular Audits are conducted internally and externally periodically.

Site Based Management Plan

(A3-1)

Please find attached site environmental plan detailing agenda required under (A3-1)

Records (A5-1)(A5-2)

Environmental Management is included as part of our She 022 auditing document.(Please find attached) The Moranbah Depot is internally audited on a six monthly basis. Records are available from both the provider the provider NQ Resources and Brambles.

Schedule B Air (B1-2)(B2-1)

There are no issues at our depot with respect to dust nuisance. Entry and exit speeds by heavy equipment are monitored to reduce dust levels and dust suppressed by water as required.

Schedule C Water (C1-1)(C2-1)(C3-1)(C5-1)(C7-2)

All contaminated water and oil based pollutants are captured and contained in a runoff and oil separation pit. All storm water runoff contacting any pollutants will be contained in this area.

Schedule D-Noise &Vibration

Noise Nuisance (D1-1)(D3-1)

Brambles

INDUSTRIAL SERVICES

Noise levels are monitored by appropriate maintenance and verified against manufacturers specifications and Australian standards where applicable.

Schedule E- Waste (E1-1)(E1-2)(E1-3)(E1-4)

Minimal amounts of different wastes are generated on site at the Moranbah Depot and are disposed of by a approved regulated transporter.

Insurance (E3-1)

Brambles have the required coverage for all insurance and public liability requirements with respect to Environmental incidents.

Waste Handling (E5-1)

As per previous comments.

Schedule F-Land (F2-2- F2-7)

Not applicable to the Moranbah Depot

Prevention of contaminant release to land (F3-1)(F3-2)

The containment and oil separation pit previously referred to is monitored on a regular basis. It is pumped, stored and transported by an authorised regulated provider.

eleas

Brambles Industries Limited

ABN 22 000 129 868

INSURANCE SERVICES

Level 4, 80 Pacific Highway
North Sydney NSW 2060

PO Box 1818
North Sydney NSW 2059

Telephone : (02) 9900 0568
Facsimile : (02) 9900 0345

Brambles

**Tony Goldsworthy - Manager Environmental
Services**

Belyando Shire Council

PO Box 229

CLERMONT QLD 4721

RE: CERTIFICATE OF CURRENCY

This is to certify that BRAMBLES AUSTRALIA LIMITED t/as BRAMBLES INDUSTRIAL SERVICES has the following Insurance Covers in place.

Mobile Equipment

Policy No.	MSF8962028 / AU00001106LI03A
Insurer	ROYAL & SUN ALLIANCE INSURANCE LTD/XL INSURANCE COMPANY LIMITED C/- Marsh, PO Box H176 SYDNEY NSW 2000 SYDNEY NSW 2000
Situation	Commonwealth of Australia
Limit of Liability	A\$20,000,000 (Twenty Million Dollars)
Expiry Date	30 June 2004

Public Liability Insurance

Policy No.	AU00001106LI03A
Insurer	XL Insurance Company Limited C/- Marsh, PO Box H176 SYDNEY NSW 2000 SYDNEY NSW 2000
Situation	Worldwide excluding United States of America, Canada and European domicile
Limit of Liability	US\$20,000,000 (Twenty Million Dollars) each and every occurrence
Expiry Date	30 June 2004

- Notes**
1. These policies are extended to include Principal's indemnity where such inclusion is required by the terms and conditions of the contract between the parties, excluding Workers Compensation which is governed by the respective State Governments.
 2. It is agreed that these covers will not be cancelled before 30 June 2004 without Prior Notice being given to you.

Special Notes or Endorsements : Principal's Indemnity attached (not applicable to Workers Compensation).

sch4p4(6) Personal information

MANAGER, GENERAL INSURANCE

Monday, 29 September 2003

Page 1 of 2

Brambles Industries Limited

ABN 22 000 129 868

INSURANCE SERVICES

Level 4, 80 Pacific Highway
North Sydney NSW 2060

PO Box 1818
North Sydney NSW 2059

Telephone : (02) 9900 0568
Facsimile : (02) 9900 0345

Brambles

**Tony Goldsworthy - Manager Environmental
Services**

Belyando Shire Council

PO Box 229

CLERMONT QLD 4721

RE: CERTIFICATE OF CURRENCY

This is to certify that BRAMBLES AUSTRALIA LIMITED t/as BRAMBLES INDUSTRIAL SERVICES has the following Insurance Covers in place.

ENDORSEMENT: PRINCIPAL'S LIABILITY EXTENSION

"Where required by any contract entered into by the Insured, this Policy shall subject otherwise to its terms, conditions and limitations, extend to indemnify the Insured's Principal in respect of any claims made against any such Principal and arising solely out of the negligence of the Insured or of any person for whose negligence the Insured is liable or through any business or trade of the Insured as herein described.

PROVIDED that the said Principal shall for the purposes of this extension of indemnity be subject to the terms, conditions, limitations and exclusions of this Policy as though each were the Insured.

PROVIDED FURTHER THAT:

- (a) Notwithstanding anything to the contrary contained in this or any other policy no Principal shall be entitled to indemnity by virtue of this endorsement if entitled to indemnity under any other policy.
- (b) Under no circumstances shall the total liability of the Company under this Policy, inclusive of this endorsement exceed the sum stated in this Policy as the limits of Liability of the Company.

It is further declared and agreed that subject always to sub-paragraph (b) of the second proviso of the Endorsement this Policy shall extend to indemnify each of the principals against all law costs and all charges expenses incurred in the settlement or defence of claims or litigation arising therefrom in the same terms and to the same extent as this Policy provides indemnity to the Insured against such costs, charges and expenses".

-
- Notes** 1. These policies are extended to include Principal's indemnity where such inclusion is required by the terms and conditions of the contract between the parties, excluding Workers Compensation which is governed by the respective State Governments.
2. It is agreed that these covers will not be cancelled before 30 June 2004 without Prior Notice being given to you.

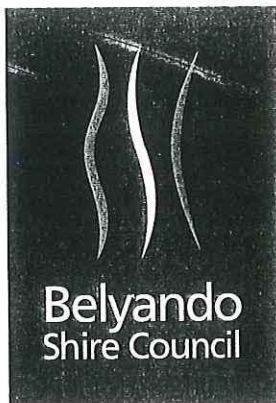
Special Notes or Endorsements : Principal's Indemnity attached (not applicable to Workers Compensation).

sch4p4(6) Personal information

MANAGER, GENERAL INSURANCE

Monday, 29 September 2003

Page 2 of 2



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(07) 4941 7254
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(07) 4941 8666

Clermont Office
Cnr Daintree & Karmoo Street
Clermont Qld 4721
Telephone
(07) 4983 1133
Facsimile
(07) 4983 2978

sch4p4(6) Personal information Manager
Brambles Industrial Services
PO Box 414
MORANBAH QLD 4744

Dear sch4p4(6) Personal information

RE: TOWN PLANNING APPLICATION

Further to our recent telephone conversation, I am unable to locate the information associated with the rezoning of the Brambles site, which appears to have been, sometime in 1997 or early 1998. It was rezoned Special Facilities (Freight Depot and Plant Hire).

The reason for interrogating our system was to ascertain whether any approval was given for accommodation. It would appear that no such approval has been given. Consequently it will be necessary for you to make application for a material change of use to include not only the activities "approved" but those outstanding eg. accommodation.

Please also complete form G to make application to conduct an environmentally relevant activity (motor vehicle workshop). Be aware that you are storing and using flammable and combustible liquids and a list of these together with quantities will determine whether this falls outside what is considered to be minor storage.

With the above in mind the following fees apply:

Material Change of Use	\$800.00
Environmentally Relevant Activity Application	\$200.00
<u>Annual Fee</u>	
ERA (Motor Vehicle Workshop)	\$206.80
Flammable & Combustible Liquids (if applicable)	
Less than 10,000 L	\$70.30
10,000 – 100,000 L	\$134.40

I look forward to hearing from you soon.

In any future correspondence please quote Subject/83670 as the reference details. If you have any queries in relation to this matter, please contact me on 49417254.

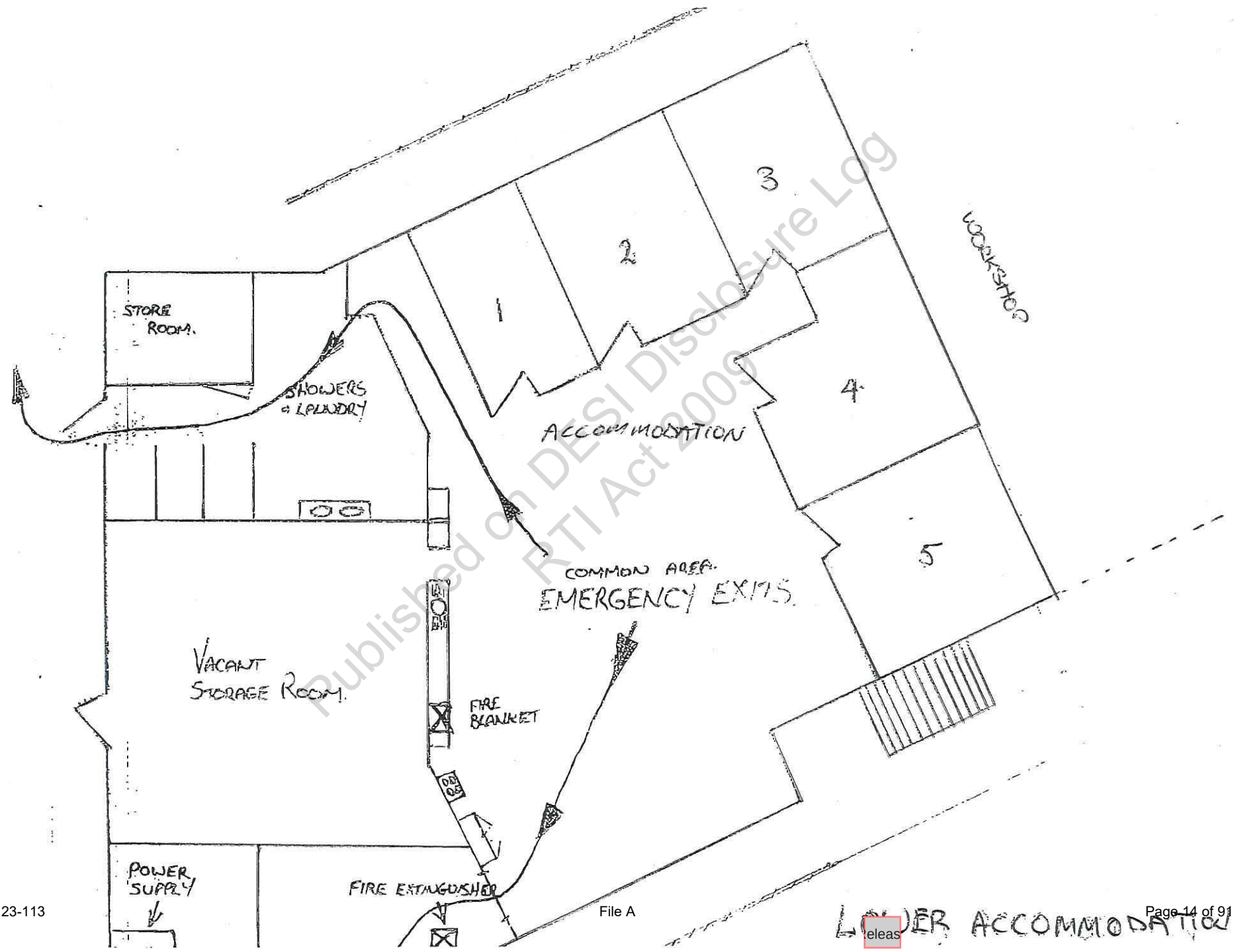
Yours faithfully,

sch4p4(6) Personal information

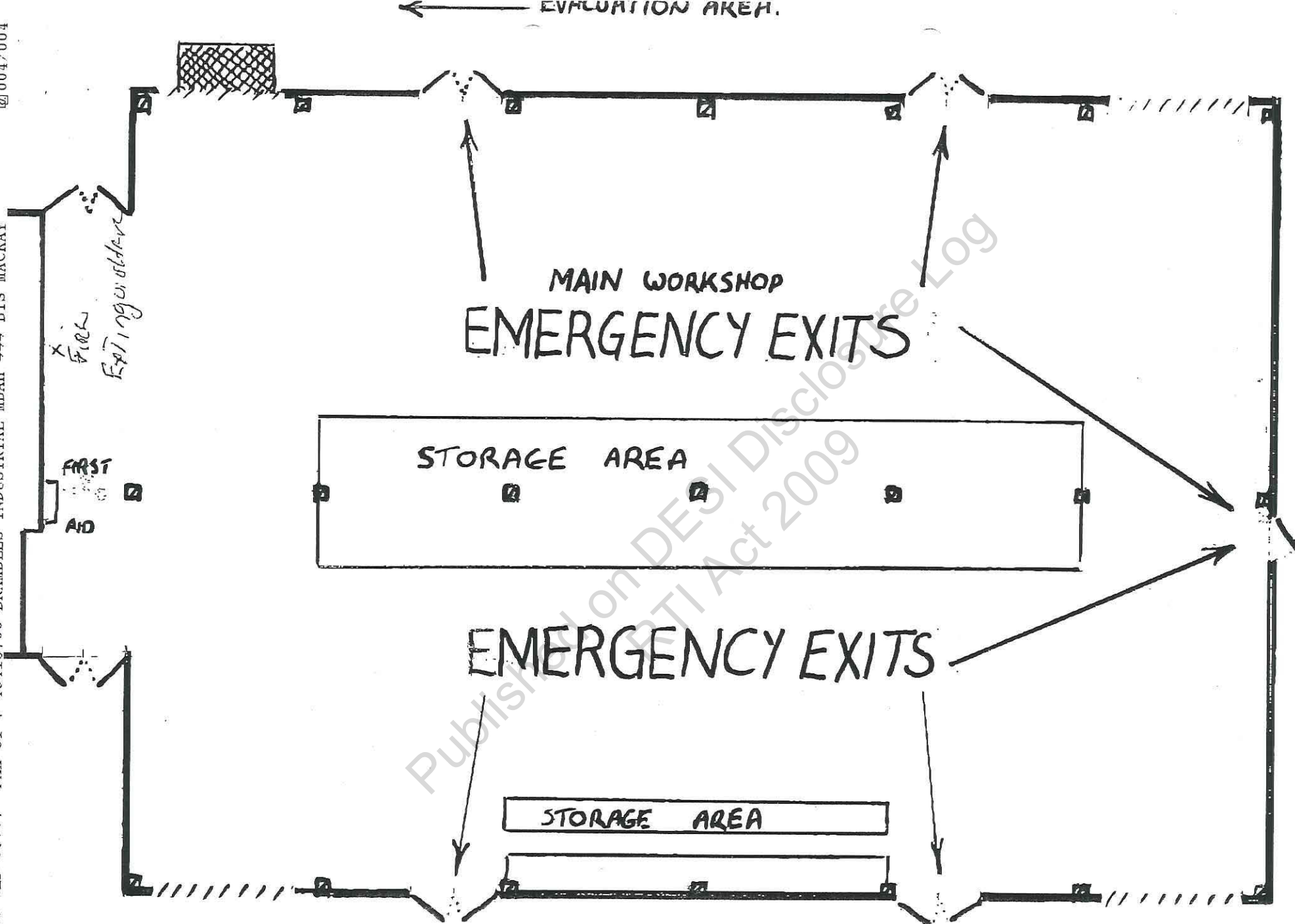
sch4p4(6) Personal information Tony Goldsworthy – Manager Environmental Services
Subject/83670/TG:ce
sch4p4(6) Personal information

File A

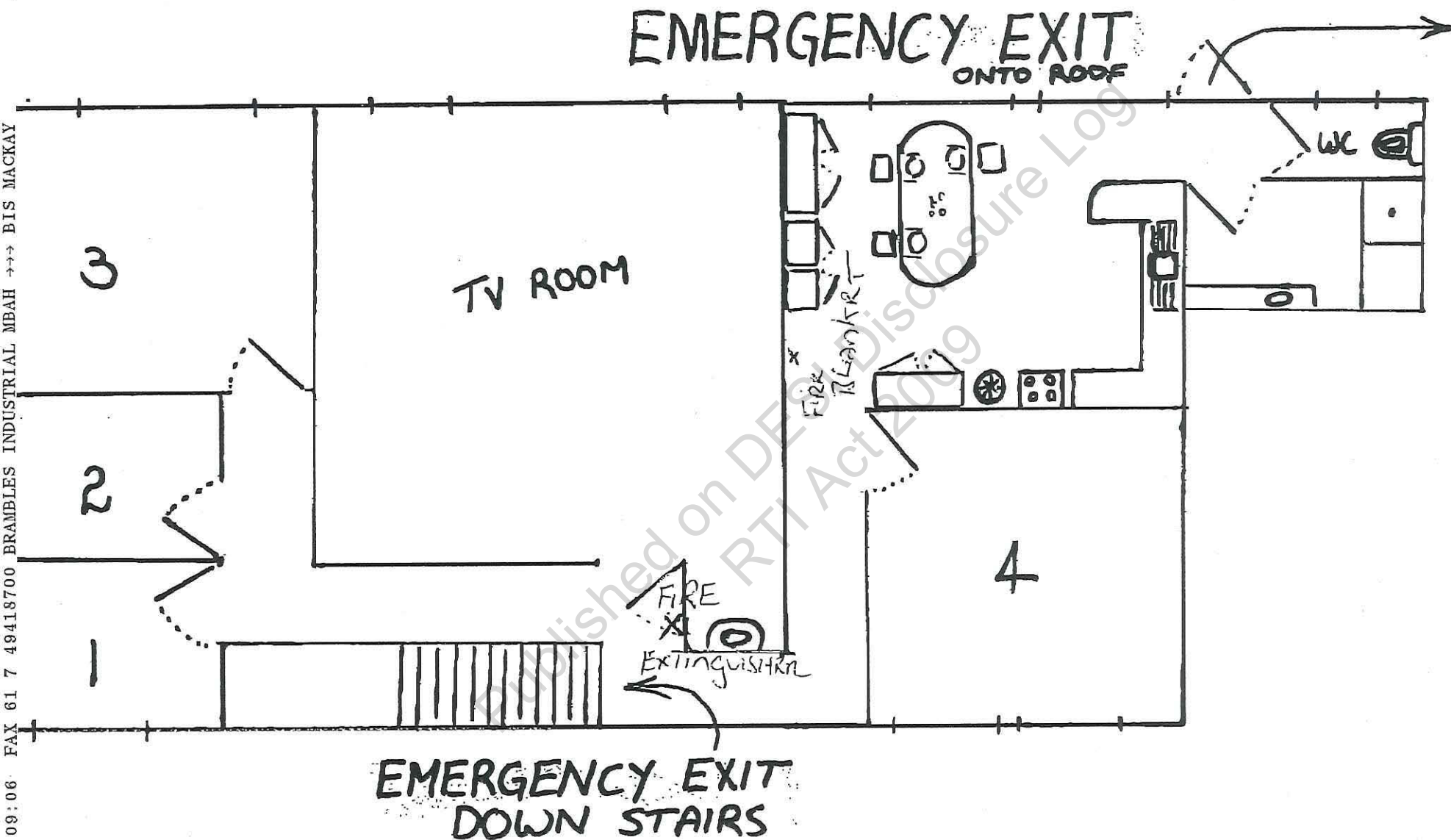
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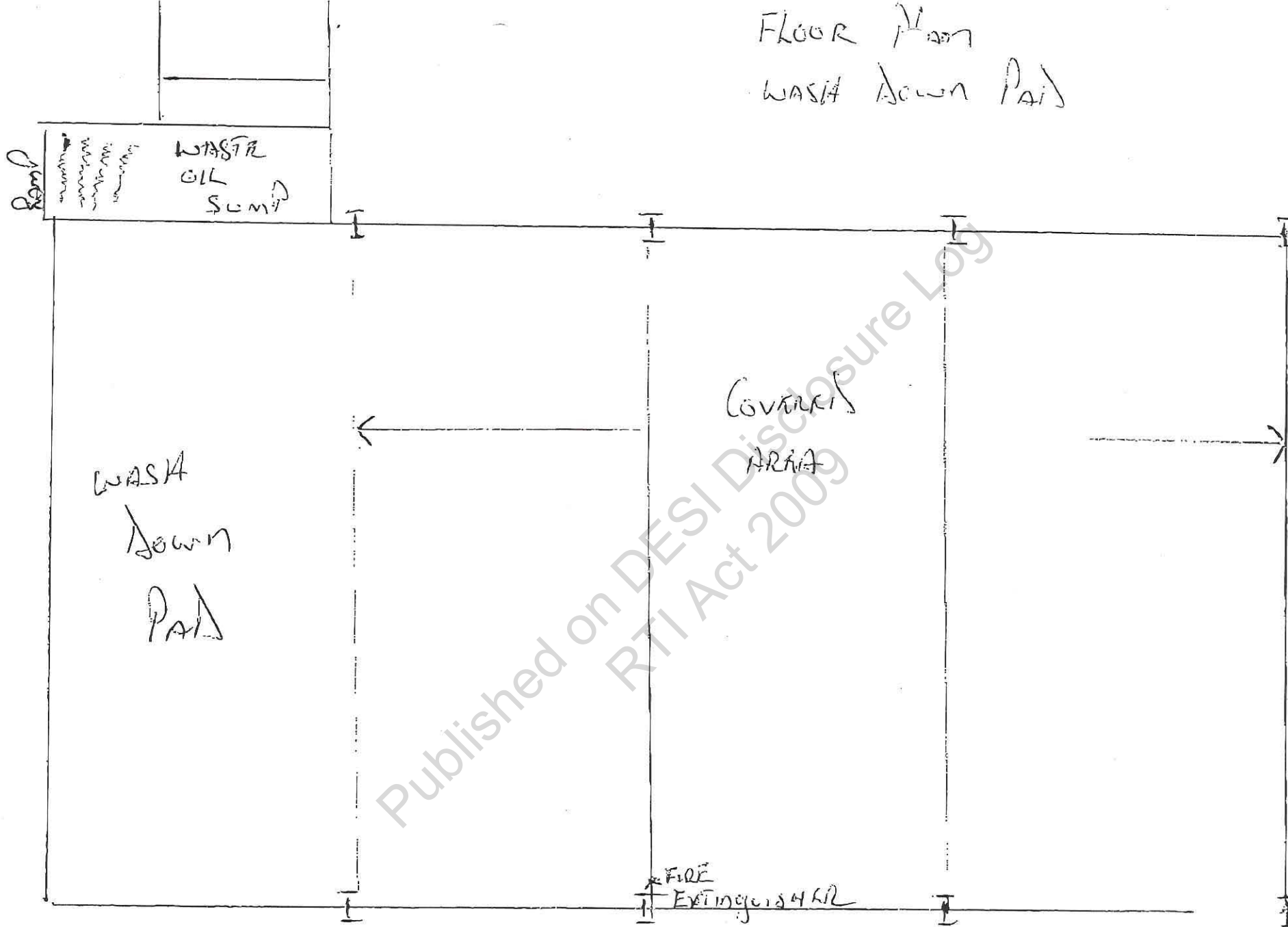


File A



UPPER ACCOMADATION AREA





Brambles

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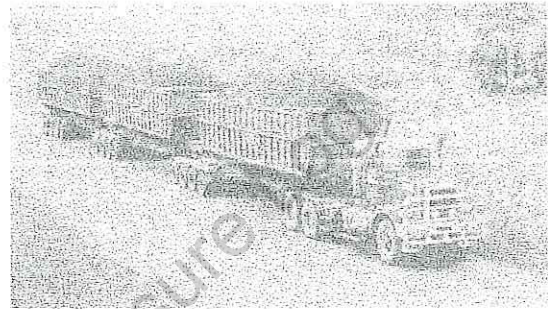
ENVIRONMENTAL SITE MANAGEMENT PLAN

T A B L E O F C O N T E N T S

SECTION

INTRODUCTION

ESMP 1.0	AIR QUALITY
ESMP 2.0	HAZARDOUS SUBSTANCES
ESMP 3.0	NOISE CONTROL
ESMP 4.0	STORAGE & MAINTENANCE OF MACHINERY
ESMP 5.0	REHABILITATION
ESMP 6.0	REHABILITATION OF REJECTS AREA
ESMP 7.0	WASTE MANAGEMENT
ESMP 8.0	REHABILITATION OF SEDIMENT DAMS
ESMP 9.0	NOXIOUS WEEDS
ESMP 10.0	FIRE CONTROL
ESMP 11.0	DIRTY WATER MANAGEMENT
ESMP	APPENDIXES



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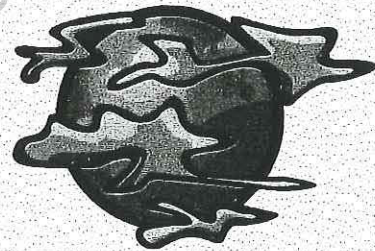
Brambles

INDUSTRIAL SERVICES

ENVIRONMENTAL SITE MANAGEMENT PLAN

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ESMP 1.0



AIR QUALITY

Revision Record				
Date	Section	Issue/Revision	Description	Approved
Sept 2003	All	1		General Manager

Brambles

INDUSTRIAL SERVICES

ENVIRONMENTAL SITE MANAGEMENT PLAN

SECTION 1.0 AIR QUALITY

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ESMP 1.1 Air Quality	2
ESMP 1.2 Air Quality 12 Monthly Checklist	3

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Brambles INDUSTRIAL SERVICES ENVIRONMENTAL SITE MANAGEMENT PLAN	Authorisation: Project Manager
Section: ESMP 1.0 Air Quality Subject: ESMP 1.1 <u>AIR QUALITY</u>	

Policy

To prevent pollution from Brambles Industrial Services work and activities.

Objective

Minimise dust and emissions which would cause nuisance to landholders, workers and the natural environment throughout the life of the mine.

Target

1. Establish a plan that is acceptable to landholders along any haulage route. (Ensure no landholders experience dust deposition rates greater than 120 mg/m²/day and are within Qld Coal Mining Act Occupational Health Regulations).
2. Establish controls to ensure compliance to agreed plan (dust monitoring).

Controls

1. Monthly sampling and analysis at various locations to ensure compliance.
2. Act on any received complaints and try to prevent recurrence.
3. Monitor results and comment in monthly reports.

Problem Response

1. Spray water in the offending area immediately.
2. Report high unacceptable levels to Project Manager.

Responsibility For Controls

Issue / Instruct - Project Manager

Resources

Sampling equipment and Testing Consultant.

Completion

Ongoing, life of the project.

Air Checklist

- Dust, smog, smoke
- Odour
- Fumes, vapors
- Ozone depleting chemicals



Brambles INDUSTRIAL SERVICES ENVIRONMENTAL SITE MANAGEMENT PLAN	Authorisation: Project Manager
Section: ESMP 1.0 Air Quality Subject: ESMP 1.2 <u>AIR QUALITY – 12 MONTHLY CHECKLIST</u>	

Project / Branch: _____ **Date:** _____

Items	Yes	No	Comments
Are vehicle air conditioner filters regularly checked?			
Are air conditioner filters serviced on buildings?			
Does dust or odour arise from any activity? i.e. work area, workshop, photocopier, printers			
How is the amount of dust currently monitored?			
Does Brambles have any monitoring devices to register respirable dust?			

*** Please Mark N/A if not applicable.**

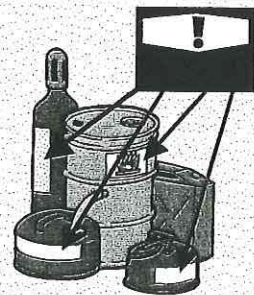
Brambles

INDUSTRIAL SERVICES

ENVIRONMENTAL SITE MANAGEMENT PLAN

eleas

ESMP 2.0



HAZARDOUS SUBSTANCES

Revision Record				
Date	Section	Issue/Revision	Description	Approved
Sept 2003	All	1		General Manager

Brambles

INDUSTRIAL SERVICES

ENVIRONMENTAL SITE MANAGEMENT PLAN

SECTION 2.0 HAZARDOUS SUBSTANCES

T A B L E O F C O N T E N T S

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Brambles

INDUSTRIAL SERVICES

ENVIRONMENTAL SITE MANAGEMENT PLAN

SECTION 2.0 HAZARDOUS SUBSTANCES

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Section: ESMP 2.0 Hazardous Substances**Subject: ESMP 2.1 HAZARDOUS SUBSTANCES****Policy**

To prevent pollution from Brambles Industrial Services work and activities.

Objective

Minimise the potential for release of hazardous substances to the environment from all storage and handling areas onsite.

Target

1. Ensure the site has all available information regarding the hazardous substances used.
2. Ensure storage and handling of substances is as required by Australian standards.
3. Ensure appropriate care is taken when handling and transporting hazardous substances.

Controls

1. Obtain MSD Sheets at time of purchase.
2. Construct storage tanks as per AS 1692 – 1989.
3. Construct storage areas as per AS 1940 – 1993, section 5.
4. Storage / handling of packaged goods as per AS 1940 – 1993, section 4.

References

Chemicals register, MSDS, Australian standards as listed above.

Emergency Response

1. Follow "Environmental Emergency Substances Spill Prevention, Control and Countermeasure Plan" procedure.
2. Immediate repair of damaged pipes and fittings.
3. Containment of spilt product and placing of product spillage into containers and cleaning effected area.

Monitoring and Reporting

Weekly visual checks, Regular safety inspections.

Responsibility for Controls

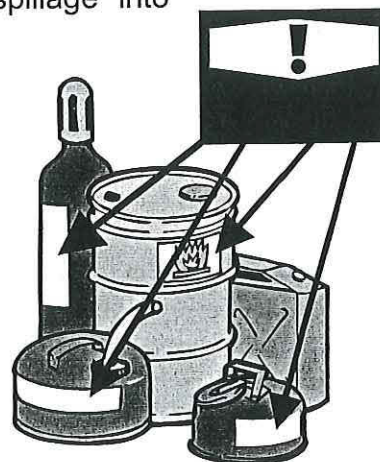
Issue / Instruct - Project Manager

Resources

MSDS Register.

Completion

Ongoing for the life of the project.



Brambles INDUSTRIAL SERVICES ENVIRONMENTAL SITE MANAGEMENT PLAN	Authorisation: Project Manager
Section: ESMP 2.0 Hazardous Substances Subject: ESMP 2.2 <u>STORAGE OF HAZARDOUS SUBSTANCES</u>	

Liquid storage facilities include aboveground tanks, containers, and drum storage. All are located in bunded or nominated storage areas. These storage facilities and the bunding containment facilities are built as per the Australian Standards for liquid fuel storage and are kept in good condition.

Fuels for the mine and contractor operations are trucked in and waste liquids are trucked out.

ENVIRONMENTAL SITE MANAGEMENT PLAN	Authorisation: Project Manager
Section: ESMP 2.0 Hazardous Substances Subject: ESMP 2.3 <u>SPILL PREVENTION METHODS</u>	

Weekly visual checks will be conducted on the pipework valves and bunding. Any leaks or other potential breaches will be noted on the monthly Site Environmental Checksheet for the relevant area (e.g. workshop). A brief action plan shall also be noted on these checksheets.

Monthly inspections will be conducted on fuel storage tanks and bunding containment facilities by the Project Manager or as designated in conjunction. The inspection is to include, at the minimum, the condition of the following:

- Tanks, piping and valves
- Tank supports, labeling and signage
- Bunding facilities
- Hoses and associated connections
- Fire fighting equipment

Section: ESMP 2.0 Hazardous Substances**Subject: ESMP 2.4 EMERGENCY SPILL PROCEDURE**

The intent of the emergency spill procedure is to provide information and contact names to ensure the proper response to a hazardous substance spill occurs. As each potential spill is unique, the spill response will vary for each event. Spills shall be defined as follows:

1. Contained Spill

The spill occurs inside the bunded area and all material is contained.

2. Controlled Minor Spill

A controlled minor spill occurs outside the bunded containment area, but is too small to spread off site.

3. Uncontrolled Spill

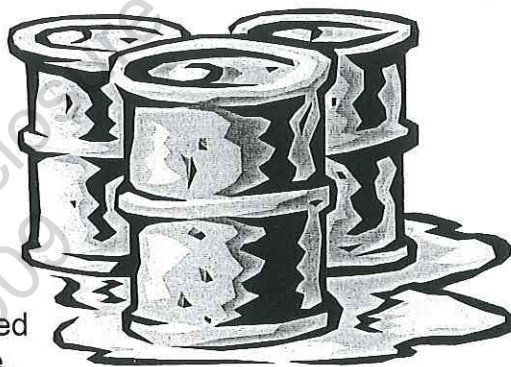
An uncontrolled spill occurs outside the bunded containment area and moves away from the plant site. This type of spill has the potential to enter the drainage systems and cause environmental harm.

4. Reportable Spill

Any spill that has the potential or is likely to harm the environment is a reportable spill.

The main objective in response to a spill is:

- (a) Stop the source of the leakage if possible
- (b) Contact the BIS Project Manager
- (c) Site Control – Divert traffic away from the area (if applicable)
- (d) Contain the leakage
- (e) Clean up the area
- (f) Dispose of spilled product
- (g) Report the incident



Brambles INDUSTRIAL SERVICES ENVIRONMENTAL SITE MANAGEMENT PLAN	Authorisation: Project Manager
Section: ESMP 2.0 Hazardous Substances Subject: ESMP 2.5 <u>EMERGENCY SPILL RESPONSE PROCEDURE FOR NON TOXIC OR HIGHLY FLAMMABLE MATERIALS OVER 200 LITRES</u>	

Spill Response is required for spills of oil, diesel, fuel, coolant, or other chemicals that are non-toxic or highly flammable and are emitted from a stationary tank / drum or from mobile equipment that exceed safe limits, i.e. 200 litres or more.

The first person to discover the spill shall contact the Project Manager.

Brambles INDUSTRIAL SERVICES ENVIRONMENTAL SITE MANAGEMENT PLAN	Authorisation: Project Manager
Section: ESMP 2.0 Hazardous Substances Subject: ESMP 2.6 <u>EMERGENCY SPILL RESPONSE</u>	

The following steps are required to be undertaken in the event of an Emergency Spill Response:

1. Detect the Spill

- If a fire or explosion occurs during a spill response, evacuate all personnel immediately.
- Shut off the ignition source if safe to do so and call the Project Manager adopt the emergency procedure and notify relevant personnel.

2. Trace the source of the spill

- Put on appropriate personal protective equipment (PPE).
- Locate the cause of the spill.
- Determine if the spill is still occurring.

3. If safe to do so, prevent any further discharge

- Stop further leakage of tanks or pipes by closing valves, rendering leaks.

4. Notify relevant personnel

- Person who detected the spill to contact Project Manager / Regional Manager
Safety Co-ordinator / Emergency Personnel.

5. Contain the spillage

- Use absorbent material (e.g. brooms, pads) or temporary earth bund to contain the spill or direct away from stormwater drainage system.
- Block stormwater drainage pipes to prevent flows entering drainage systems.
- Spread river sand / granules over spill.
- Other personnel shall be directed in assisting with spill containment and deploy the Spill Response Kit if required.
- DO NOT SPREAD OR DILUTE SPILLS WITH DEGREASERS, DETERGENTS, OR WATER.



6. Recover the product

- Recover the spilled product (free liquid) by pumping directly to waste oil truck(s).
- Construct a temporary sump / dam to allow for central collection point of spill product.
- Recover absorbent material into sealable drums or bins and transport to designated storage area under the direction of an authorised person.

7. Restore the area to its original condition

- Clean spill site with absorbent material (e.g. roll, pads, mop).
- Any contaminated soil to be excavated and transported to an approved area.
- DO NOT wash down the remaining product.

8. Report the incident

- Project Manager to complete the incident report form in consultation with the person who detected the spill prior to the next shift.

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INDUSTRIAL SERVICES

Section: OMP 2.0 Hazardous Substances

Subject: OMP 2.6 EMERGENCY SPILL RESPONSE (Continued)

9. Replace used equipment

- Project Manager or designated person to replace absorbent equipment used from the spill kits.

10. Post-spill monitoring

- Project Manager to inspect the spill site and ensure that clean up is satisfactory
- Project Manager to involve any person deemed competent to assist and advise.

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ENVIRONMENTAL SITE MANAGEMENT PLAN

Authorisation: Project Manager

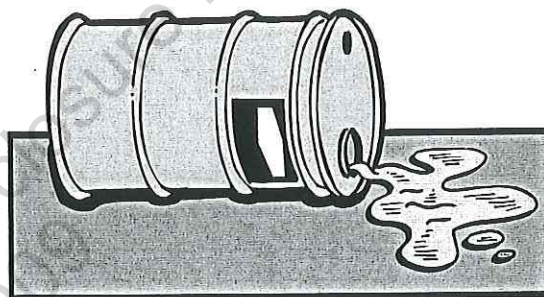
Section: ESMP 2.0 Hazardous Substances

Subject: ESMP 2.7 EMERGENCY RESPONSE EQUIPMENT

Equipment is available on-site for spill response, shovels, respirators, goggles, absorbents, rubber boots and coveralls. In addition front-end loaders, dozers, and tip trucks are to be made available for response to larger spills or incidents. A liquid waste contractor or the service truck will be utilised for providing emergency response for pumping spills depending on quantity.

Brambles INDUSTRIAL SERVICES ENVIRONMENTAL SITE MANAGEMENT PLAN	Authorisation: Project Manager
Section: ESMP 2.0 Hazardous Substances Subject: ESMP 2.8 <u>DRUM LEAKS</u>	

If a leaky drum is detected, the contents remaining in the drum are to be transferred to an intact drum, if safe to do so. The empty drum shall then be taken to an approved area for removal.



Brambles INDUSTRIAL SERVICES ENVIRONMENTAL SITE MANAGEMENT PLAN	Authorisation: Project Manager
Section: ESMP 2.0 Hazardous Substances Subject: ESMP 2.9 <u>SPILL RESPONSE EQUIPMENT</u>	

The main objectives when responding to any spill are:

1. Stop its source;
2. Stop it from spreading; and
3. Clean the spilled material up as soon as possible.

Section: ESMP 2.0 Hazardous Substances**Subject: ESMP 2.10 SPILL RESPONSE EQUIPMENT FOR WORKSHOPS, SERVICES BAYS AND FUEL DEPOTS****1. Loose Absorbent Granule**

A minimum of one 205 litre drum of loose absorbent granules shall be stored at each workshop.

When a spill occurs, this loose absorbent material may be spread over the site to absorb free oil and / or water. This contaminated absorbent shall be swept and shoveled into a dedicated 205 litre drum which shall be clearly labeled. The contaminated contents of the drum shall then be disposed of in co-ordination with the waste management contractor.

**2. Absorbent Pads**

Absorbent pads are recommended for areas where drums or tanks are used to dispense petroleum products. These pads are also known as skimming pads and are utilised for the cleaning up hydrocarbon based products from the ground, floor or water and can be used to prevent spills. The pads are designated to only collect petroleum / hydrocarbon products and filter out water.

Place the pads under drips and change them out as necessary. Follow up maintenance on drips shall be undertaken. A pad shall be placed under a piece of equipment prior to working on it.

Hydrocarbon soaked pads shall then be placed in a separate container where they will be removed by the waste management contractor.

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Section: OMP 2.0 Hazardous Substances

Subject: OMP 2.10 SPILL RESPONSE EQUIPMENT FOR WORKSHOPS, SERVICE BAYS & FUEL DEPOTS (Continued)

3. Absorbent Booms

Absorbent booms are primarily used to contain spills that are spreading. If there is a known leak on a piece of equipment, wrap the boom around the base of the equipment to absorb the oil before it drips on the ground. At least 3 bags of the short absorbent booms should be kept on hand for each area.

These booms which can no longer be re-used should then be placed in a separate container where they will be removed and managed by the Waste Management Contractor.

4. Spill Response Kits

Depending on the size of the workshop area, a kit or toolbox shall be purchased to hold all the equipment in one place. These kits are waterproof and shall be used to transport contaminated absorbent material to the disposal sites. The preferred type of spill kits are the 200 litre mobile wheelie bin.

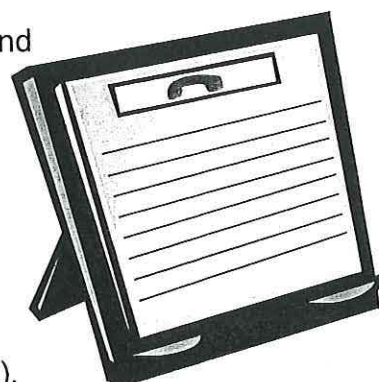
Section: ESMP 2.0 Hazardous Substances**Subject: ESMP 2.11 SPILL RESPONSE TEAM REPORTING REQUIREMENTS**

- Any spills occurring on site, which could have been harmful to the environment, must be reported and documented.
- Spills involving hydrocarbon products, i.e. diesel, oil, coolant, solvents etc., must be reported to the Project Manager who will notify the relevant Brambles Industrial Services personnel and environment officer.
- Spills which involve hydrocarbon products must be reported immediately day or night to the Project Manager who will in turn contact the Environmental Officer.

The responsible person must ensure that the area is barricaded and call for the spill response kit.

Information Required for Each Spill Incident

- Name of person reporting spill and person receiving information.
- Use an Incident Report Form to report spills.
- Exact location of spill.
- Material spilled and quantity (estimated quantity if exact unknown).
- Why spill occurred, give equipment number and reason for spill (e.g. pump failure, broken hose, ruptured tank etc.)
- State what was done to contain the spill and the clean up procedure undertaken.
- Indicate person(s) contacted if anyone.
- What was done with the spill clean up material?



It is important that spills which may harm the environment shall be reported immediately to the Project Manager. The emergency Brambles Industrial Services Flow Chart must be followed to ensure the "Doctrine of No Surprises" is not compromised.

Section: ESMP 2.0 Hazardous Substances**Subject: ESMP 2.12 ENVIRONMENTAL COMPLIANCE****2.12.1 EMERGENCY RESPONSE PROCEDURE FOR SPILLAGE OF ENVIRONMENTALLY HAZARDOUS SUBSTANCES**

In the event of a spill of an environmentally unfriendly substance i.e. fuel, oil, and paint etc. the following procedure shall apply:

**1. Spill in the Depot**

- (i) If possible place vehicle or container on the wash down containment area.
- (ii) Contain substance as best as possible by placing oil-absorbing agent around the spill area, and if able to, place drain tray or similar device in position to prevent further spillage.
- (iii) Prevent substances from escaping down stormwater drains by placing oil dry around the opening of the drain.
- (iv) In the case of fuel bowser storage tank spillage within the bunded area, warn everyone in the area of a fire hazard.
- (v) Contact your Manager/Supervisor and advise them of the incident.
- (vi) Should the bund area require pumping out, contact the Company/Principal Contractor.

2. Spill Other Than Depot

- (i) Contain substance as best as possible by whatever means you have at your disposal, i.e. sand or dirt.
- (ii) If you are on a customer's site, advise them of the incident and assist them in any way you can.
- (iii) Advise all other road users by mine two-way radio if there is a dangerous hazard.

Advise someone at the depot what the nature of the spill is and what your particular requirements are – i.e. you require oil dry, a broom, and rags to clean up the oil that has escaped from a burst hydraulic line.

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Section: OMP 2.0 Hazardous Substances

Subject: OMP 2.12 ENVIRONMENTAL COMPLIANCE (Continued)

2.12.1 EMERGENCY RESPONSE PROCEDURE FOR SPILLAGE OF ENVIRONMENTALLY HAZARDOUS SUBSTANCES (Continued)

- (iv) Notify the appropriate authorities of the incident and advise what corrective action has been taken, or what action you require.

All personnel on the minesite will be trained and instructed in environmental awareness and procedures and the training program will extend to regular updates of obligations.

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INDUSTRIAL SERVICES

ENVIRONMENTAL SITE MANAGEMENT PLAN

Authorisation: Project Manager

Section: ESMP 2.0 Hazardous Substances

Subject: ESMP 2.13 GUIDELINES FOR CONTENT OF WRITTEN NOTIFICATION TO THE DEPARTMENT OF ENVIRONMENTAL PROTECTION

1. Name and contact phone number of Project Manager
2. Name of employee who identified the spill
3. Date of spill
4. Time of spill
5. Location of spill
6. Duration of spill
7. Source of spill
8. Cause of spill
9. Volume of discharge
10. Description of discharge
11. Mitigation actions
12. Corrective actions

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ENVIRONMENTAL SITE MANAGEMENT PLAN

Authorisation: Project Manager

Section: ESMP 2.0 Hazardous Substances

Subject: ESMP 2.14 INVENTORY OF HAZARDOUS CHEMICALS

Project / Branch:

[illegible]

Brambles INDUSTRIAL SERVICES ENVIRONMENTAL SITE MANAGEMENT PLAN	Authorisation: Project Manager
Section: ESMP 2.0 Hazardous Substances Subject: ESMP 2.15 <u>EMERGENCY PERSONNEL LISTING</u>	

The following is a list of persons or organisations that may need to be called upon in the event of an emergency.

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Organisation	Telephone	Contact Person
Police		
Fire		
Ambulance		
State Emergency Services		
EPA		
WorkCover		
Local Council		
Brambles		
Other		

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ENVIRONMENTAL SITE MANAGEMENT PLAN

Authorisation: Project Manager

Section: ESMP 2.0 Hazardous Substances

Subject: ESMP 2.16 EMERGENCY SPILL INFORMATION

Spill Identified by: _____ Date of Spill: ____/____/____

Time of Spill: ____/____/____

Location of spill: _____

Material spilt: _____

Estimation of spill quantity: _____

Why did spill occur? _____

Project Manager Contacted: Yes ☐ No ☐

What was done to contain the spill? _____

Method used to clean up spill: _____

How was spill cleanup material disposed? _____

What precautionary methods will be put in place to prevent re-occurrence? _____

Report prepared by: _____

Position: _____

Signature: _____ Date: ____/____/____

Revision Number: 1

Effective Date: September 2003

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INDUSTRIAL SERVICES

ENVIRONMENTAL SITE MANAGEMENT PLAN

Authorisation: Project Manager

Section: ESMP 2.0 Hazardous Substances

Subject: ESMP 2.17 SITE ENVIRONMENTAL 6 MONTHLY CHECKLIST

Date: _____

Answer the following questions by circling **YES** or **NO**.
If **NO**, please comment in space provided.
Please Fax to the Safety Co-ordinator and place a copy on file.

Are all workers initially trained in and kept informed of their environmental requirements and responsibilities?

YES NO

Comments

Are there sufficient fire controls in place and operational?

YES NO

Are fire extinguisher inspection dates current?

YES NO

Comments:

Are Material Safety Data Sheets (MSDS) available at all?

YES NO

Comments:

Is the MSDS Register user friendly?

YES NO

Comments:

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INDUSTRIAL SERVICES

Section: OMP 2.0 Hazardous Substances

Subject: OMP 2.17 SITE ENVIRONMENTAL 6 MONTHLY CHECKLIST (Continued)

Is the MSDS up to date?

YES NO

Comments:

Are all vehicles and equipment being washed in designated areas?

YES NO

Comments:

Are areas nominated for servicing plant?

YES NO

Comments:

Have impermeable bunds been built and maintained around oil / fuel and chemical storage areas?

YES NO

Comments:

Do all personnel know the oil / fuel spillage procedure?

YES NO

Comments:

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INDUSTRIAL SERVICES

Section: OMP 2.0 Hazardous Substances

Subject: OMP 2.17 SITE ENVIRONMENTAL 6 MONTHLY CHECKLIST (Continued)

Is contaminated waste disposal of off site?

YES NO

Comments:

Are waste oils / fuels collected and disposed of off site?

YES NO

Comments:

Are batteries collected and disposed of off site?

YES NO

Comments:

Is scrap metal collected and disposed of off site?

YES NO

Comments:

Are personally generated wastes (e.g. paper, food scraps)
collected and disposed of off site?

YES NO

Comments:

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INDUSTRIAL SERVICES

Section: OMP 2.0 Hazardous Substances

Subject: OMP 2.17 SITE ENVIRONMENTAL 6 MONTHLY CHECKLIST (Continued)

Are personally generated wastes reciprocals fitted with tight fitting lids? YES NO

Comments:

Is drainage at the workshop in accordance with sediment control? YES NO

Comments:

Are sediment control structures cleaned and do they appear adequate? YES NO

Comments:

Is the likelihood of dirty / contaminated water being released from site nil? YES NO

Comments:

Is dirty / contaminated water utilised in preference to clean water? YES NO

Comments:

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INDUSTRIAL SERVICES

Section: OMP 2.0 **Hazardous Substances**

Subject: OMP 2.17 **SITE ENVIRONMENTAL 6 MONTHLY CHECKLIST (Continued)**

Are basin / traps de-sludged after rainfall events?

YES NO

Comments:

Are methods in place to treat wash down water?

YES NO

Comments:

Are the catchment ponds regularly tested for contamination?

YES NO

Comments:

Project Manager:

Signature:

Date:

**Safety / Training
Co-ordinator:**

Signature:

Date:

ENVIRONMENTAL SITE MANAGEMENT PLAN

Authorisation: Project Manager

Section: ESMP 2.0 Hazardous Substances

Subject: ESMP 2.18 WEEKLY ENVIRONMENTAL CHECKLIST

Inspected by: _____ Date: _____

Item	Acceptable	Unacceptable	Comments / Actioned By
Oil / Fuelling Storage Area			
1. Is area clean and tidy?			
2. Oils in bunding?			
3. Liquids in bunded area?			
4. Empty drums in bunded area?			
5. Is waste oil removed frequently?			
6. Dust conditions?			
Workshop Bay And Store			
1. Is area clean and tidy?			
2. Is yard clean and tidy?			
3. Are drains cleaned out?			
4. Spill kit wheelie bin stocked & kitty litter available in store?			
5. Empty removed (drums)			
6. Rubbish bin emptied frequently?			
7. Are lube bays clean?			
8. Eye wash clean and clear, water level OK?			
9. Old tyres dumped frequently?			
10. Tyre storage area?			
11. Is Store clean and tidy?			
12. Paints, thinners & spray cans in fireproof cabinet?			
13. Is MSD sheets available?			

Has any environmental incidents occurred?

Yes ☐

No ☐

Has it been reported and documented?

Yes ☐

No ☐

Number of Incidents: _____

Nature of Incident: _____

- All Unacceptable ticks are to be explained in the Comments / Actioned By Section.

Other _____

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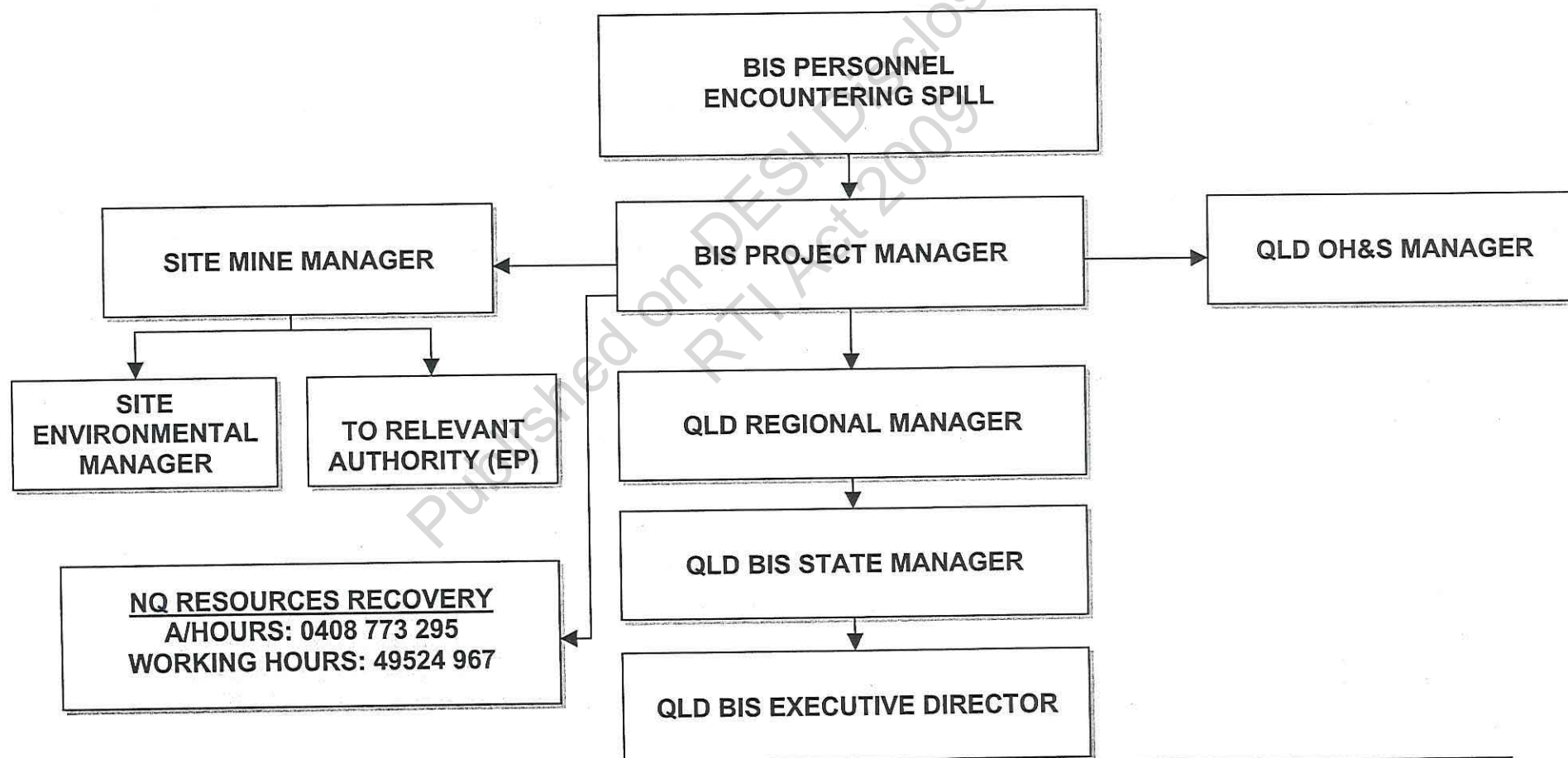
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Authorisation: Project Manager

ENVIRONMENTAL SITE MANAGEMENT PLAN

Section: ESMP 2.0 Hazardous Substances

Subject: ESMP 2.19 COMMUNICATION FLOW CHART FOR PERSONNEL ENCOUNTERING A SPILL



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ESMP 3.0



NOISE CONTROL

Revision Record				
Date	Section	Issue/Revision	Description	Approved
Sept 2003	All	1		General Manager

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ENVIRONMENTAL SITE MANAGEMENT PLAN

SECTION 3.0 NOISE CONTROL

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Brambles INDUSTRIAL SERVICES ENVIRONMENTAL SITE MANAGEMENT PLAN	Authorisation: Project Manager
Section: ESMP 3.0 Noise Control Subject: ESMP 3.1 <u>NOISE CONTROL</u>	

Policy

To prevent pollution from our Brambles Industrial Services work and activities.

Objective

Control noise pollution and nuisance from all activities to within acceptable limits.

Target

1. Maintain noise emissions below annoyance levels (AS1055.2)
2. Review noise emissions in close proximity to infrastructure.

Controls

Implement a noise monitoring system.

Emergency Response

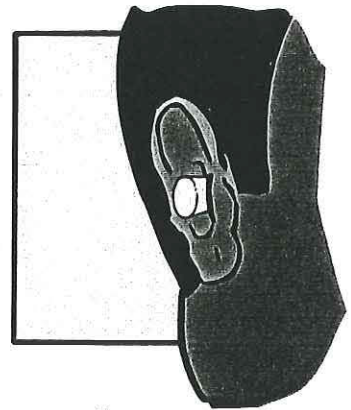
Identify the operation causing noise pollution and modify the work place practice.

Monitoring and Reporting

Safety Co-ordinator

Responsibility for Controls

Issue / Instruct - Project Manager



Section: ESMP 3.0 Noise Control

Subject: ESMP 3.2 NOISE CONTROL 12 MONTHLY CHECKLIST

Project / Branch: _____ Date: _____

Areas of Concern	Monitored		Comments
	Yes	No	
1. Alarms • Frequency, tone, pitch, duration, volume.			
2. Motors: • Vibrations, tone, pitch, volume, timing.			
3. Transport • Volume of noise, timing.			
4. Photocopiers, printers, plan printers & fans			
1. Renovators, contractors.			
Important Points	Monitored		Comments
	Yes	No	
1. Can you hear noise in your work area? If so is the activity too noisy?			
2. Any noise complaints from work colleagues, staff etc.?			
3. How does noise vary – daily, nightly & weekends?			
4. Do alarm systems turn themselves off? (if applicable)			
5. Is equipment checked and maintained for noise problems?			
6. Is there any noise barriers around the activity?			
7. What do you do to prevent or fix noise problems?			

* MARK N/A IF NOT APPLICABLE *

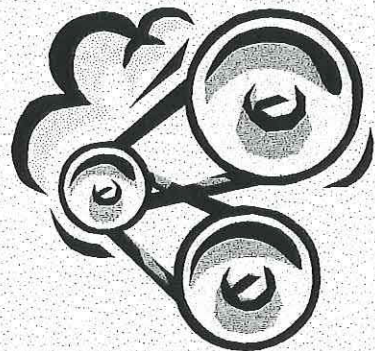
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ESMP 4.0



STORAGE & MAINTENANCE OF MACHINERY

Revision Record				
Date	Section	Issue/Revision	Description	Approved
Sept 2003	All	1		General Manager

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INDUSTRIAL SERVICES ENVIRONMENTAL SITE MANAGEMENT PLAN

SECTION 4.0 STORAGE & MAINTENANCE OF MACHINERY

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ESMP 4.1 Storage & Maintenance of Machinery	2 & 3

Section: ESMP 4.0 Storage & Maintenance of Machinery**Subject: ESMP 4.1 STORAGE & MAINTENANCE OF MACHINERY****Policy**

To prevent pollution from Brambles Industrial Services and activities

Objective

Minimise the potential for release of pollutants from machinery.

Target

1. To minimise any spillages or leaks of contaminants from site equipment and plant.
2. Be prepared, in the event of a spillage to isolate and minimise the contaminated area.

Controls

1. Regular maintenance to rectify any leaks.
2. Clean up spills immediately.
3. Provide sumps and catch dams / pits.
4. Provide oil and water separators where appropriate.
5. Waste oil disposed of appropriately.
6. Storage of fuels and oils in bunded areas as per AS 1940-1993.

References

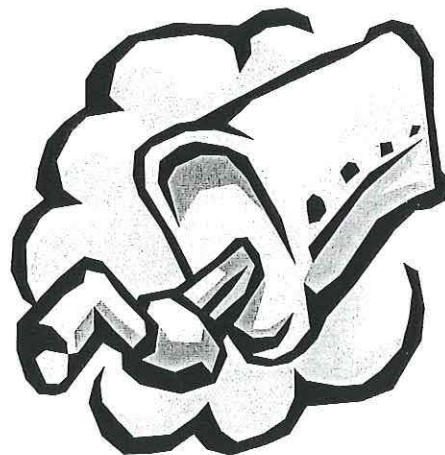
- Australian Standard AS1940-1993.
- EP : HS1 - Hazardous Substances
- EP : WM1 - Waste Management

Emergency Response

- Refer: Prevention, Control and Countermeasure Plan procedure.
- Clean up immediately.
- Refer to MSDS's.

Monitoring and Reporting

- Weekly visual inspections.
- Project Manager to issue, instruct and report.



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Section: OMP 4.0 Storage & Maintenance of Machinery

Subject: OMP 4.1 STORAGE & MAINTENANCE OF MACHINERY (Continued)

Responsibility for Controls

- Issue / Instruct - Project Manager
- Monitoring - Project Manager

Resources

- Mobile plant
- ChemAlert
- MSDS

Completion

Ongoing for the life of project.

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ESMP 5.0

REHABILITATION

Revision Record				
Date	Section	Issue/Revision	Description	Approved
Sept 2003	All	1		General Manager

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SECTION 5.0 REHABILITATION

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Brambles INDUSTRIAL SERVICES ENVIRONMENTAL SITE MANAGEMENT PLAN	Authorisation: Project Manager
Section: ESMP 5.0 Rehabilitation Subject: ESMP 5.1 <u>REHABILITATION</u>	

Policy

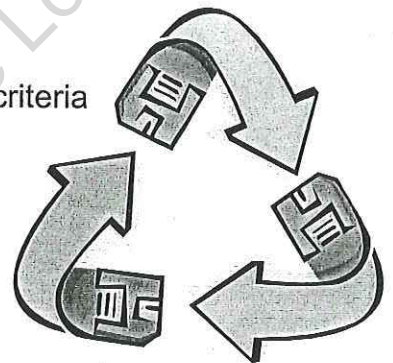
Comply with applicable environmental laws, regulations and statutory obligations.

Objective

Rehabilitation satisfied post mining land use and landform design criteria (E.M.O.S Commitments).

Target

1. Rehabilitation is done progressively as requested.
2. Topsoil is spread to meet rehabilitation needs.



Controls

Ensure rehabilitation contouring is as per E.M.O.S requirements.

Responsibility for Controls

Issue / Instruct - Project Manager

Completion

Ongoing for the completion of the project.

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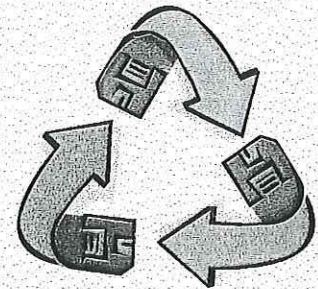
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ESMP 6.0



**REHABILITATION
OF REJECTS AREA**

Revision Record				
Date	Section	Issue/Revision	Description	Approved
Sept 2003	All	1		General Manager

ENVIRONMENTAL SITE MANAGEMENT PLAN

SECTION 6.0 REHABILITATION OF REJECTS AREA

T A B L E O F C O N T E N T S

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ESMP 6.1 Rehabilitation of Rejects Area	2

Section: ESMP 6.0 Rehabilitation of Rejects Area

Subject: ESMP 6.1 REHABILITATION OF REJECTS AREA

Policy

Comply with applicable environmental laws, regulations and statutory obligations.

Objective

Rehabilitation on rejects areas satisfy project requirements.

Target

Topsoil spread to meet rehabilitation needs.

Controls

Continual monitoring of:

- Erosion;
- Drainage;
- Stability;
- Spontaneous combustion.

Responsibility for Controls

Issue / Instruct:

- Project Manager.



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INDUSTRIAL SERVICES ENVIRONMENTAL SITE MANAGEMENT PLAN

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ESMP 7.0

WASTE MANAGEMENT

Revision Record				
Date	Section	Issue/Revision	Description	Approved
Sept 2003	All	1		General Manager

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INDUSTRIAL SERVICES

ENVIRONMENTAL SITE MANAGEMENT PLAN

SECTION 7.0 WASTE MANAGEMENT

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ESMP 7.2 Waste Checklist	3
ESMP 7.3 Waste Management 6 Monthly Checklist	4

Section: ESMP 7.0 Waste Management**Subject: ESMP 7.1 WASTE MANAGEMENT****Policy**

Establish and maintain a program of continual improvement in waste management practices.

Objective

Meet compliance requirements for waste and seek opportunities for recycling.

Target

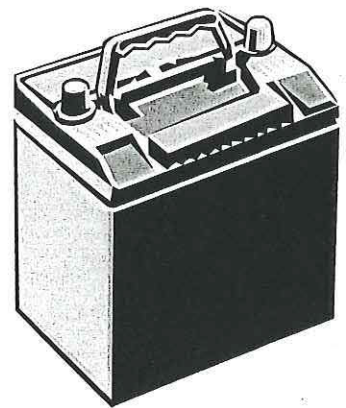
Apply waste management to recycling all oils, lead acid batteries and tyres in relation to waste generated.

Reference

- Environmental plan - Hazardous Substances
- Environmental plan - Storage & Maintenance of Machinery

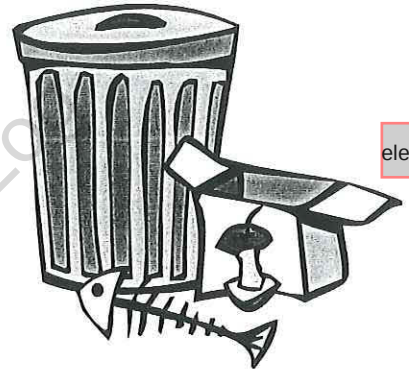
Monitoring and Reporting

- | | | |
|---------------------|---|-----------------|
| 1. Issue / Instruct | - | Project Manager |
| 2. Planning | - | Project Manager |
| 3. Operating | - | Project Manager |
| 4. Reporting | - | Project Manager |
| 5. Monitoring | - | Project Manager |



Section: ESMP 7.0 Waste Management**Subject: ESMP 7.2 WASTE CHECKLIST**

1. Liquid
 - Oils, paints, solvents, acids, alkalis, sewage, etc.
2. Solid
 - Building materials, packaging, piping, soils, sludges, food scraps, vegetation, plastics, etc.
3. Hazardous
 - Radioactive, pesticides, herbicides, corrosive, explosives, etc.
4. Waste of Resources
 - Water, energy, paper, building materials, etc.
5. Purchasing Decisions
 - Use of recycled materials, reusable materials, etc.



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Section: ESMP 7.0 Waste Management

Subject: ESMP 7.3 WASTE MANAGEMENT 6 MONTHLY CHECKLIST

Project / Branch: _____ Date: _____

Areas of Concern	Monitored		Comments
	Yes	No	
1. What are your wastes?			
2. Are any liquid wastes sent to sewer?			
3. Are any collected by a waste contractor?			
4. How are wastes stored or contained?			
5. Are wastes treated?			
6. Are efforts made to reduce the amount of waste produced?			
7. Are wastes separated for different purposes?			
8. Are any wastes disposed of on-site?			
9. Can wastes be re-used, recycled or prevented?			
10. Are necessary licences/permits in place for waste discharge or transport?			
11. Where do wastes eventually go?			
12. Have waste audits been undertaken (i.e. A systematic and regular check of waste type and quantity which seeks opportunities to minimise waste and save money)?			
13. Are materials purchased in bulk (to reduce packaging waste)?			
14. Are recycled materials purchased e.g. paper, ink cartridges, motor oil?			
15. Is energy conserved e.g. computers, power, lights etc. turned off at night?			

* Mark N/A if not applicable.

Descriptions

Liquid: Oils, paints, solvents, acids, alkalis, sewage, etc.

Solid: Building materials, packaging, piping, soils, sludges, food scraps, vegetation, plastics, etc.

Hazardous: Radioactive, pesticides, herbicides, corrosive, explosives, etc.

Waste of Resources: Water, energy, paper, building materials, etc.

Purchasing decisions: Use of recycled materials, reusable materials, etc.

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ESMP 8.0

REHABILITATION OF SEDIMENT DAMS

Revision Record				
Date	Section	Issue/Revision	Description	Approved
Sept 2003	All	1		General Manager

ENVIRONMENTAL SITE MANAGEMENT PLAN

SECTION 8.0 REHABILITATION OF SEDIMENT DAMS

T A B L E O F C O N T E N T S

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ESMP 8.1 Rehabilitation of Sediment Dams	2

Section: ESMP 8.0 Rehabilitation of Sediment Dams**Subject: ESMP 8.1 REHABILITATION OF SEDIMENT DAMS****Policy**

Comply with applicable environmental laws, regulations and statutory obligations.

Objective

Implement a program to identify dams not required and rehabilitate back to improved or native pasture. eleas

Program to:

- Clean out the dams.
- Rehabilitate all dams back to improved or native pasture.
- Establish whether successful rehabilitation is achieved.

Controls

Report dams available for rehabilitation in Monthly Environmental Report. (if applicable).

Licences/Permits

Nil

References

- Successful Rehabilitation
- "Technical Guidelines for the Environmental Management of Exploration and Mining in Queensland"

Monitoring and Reporting

Monthly Environmental Report contains information relating to dams rehabilitated or intended to be rehabilitated.

Responsibility for Controls

1. Issue / Instruct - Project Manager or designated authorised person
2. Planning - Project Manager or designated authorised person
3. Operating - Project Manager or designated authorised person
4. Reporting - Project Manager or designated authorised person
5. Monitoring - Project Manager or designated authorised person

Completion

Ongoing



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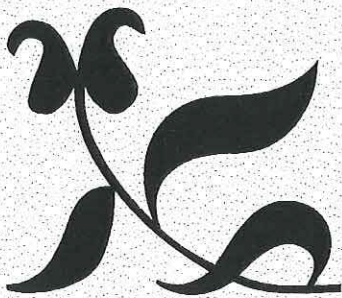
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ESMP 9.0

NOXIOUS WEEDS

Revision Record				
Date	Section	Issue/Revision	Description	Approved
Sept 2003	All	1		General Manager

ENVIRONMENTAL SITE MANAGEMENT PLAN

SECTION 9.0 NOXIOUS WEEDS

T A B L E O F C O N T E N T S

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Brambles INDUSTRIAL SERVICES ENVIRONMENTAL SITE MANAGEMENT PLAN		Authorisation: Project Manager
Section:	ESMP 9.0 Noxious Weeds	
Subject:	ESMP 9.1 <u>NOXIOUS WEEDS</u>	

Policy

To comply with environmental laws, regulations and statutory obligations.

Objective

Control the importation and distribution of noxious weeds within the lease area.

Target

1. Check areas disturbed by Brambles mining are free of classified noxious weeds. (especially Parthenium weed).
2. Alert whoever responsible for their action if noxious weeds found in areas disturbed by others.
3. Prevent roadside noxious weeds, along haul routes, from migrating.
4. Monitor treated areas to determine spray effectiveness.

Controls

1. Inspect the site monthly to identify weed areas and effects of controls.
2. Utilise spray or biological controls on affected areas.
3. Locations and results reported monthly.

Licences/Permits

Chemical Accreditation Licence for the Use of Herbicides.

Emergency Response:

Nil

Monitoring and Reporting

Locations and results reported in the Monthly Environmental Report.

Responsibility for Controls

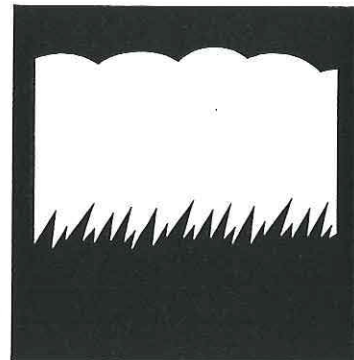
- | | | |
|---------------------|---|-----------------|
| 1. Issue / Instruct | - | Project Manager |
| 2. Planning | - | Project Manager |
| 3. Operating | - | Project Manager |
| 4. Reporting | - | Project Manager |
| 5. Monitoring | - | Project Manager |

Resources

Spraying equipment, protective clothing. PPE as designated MSDS.

Completion

Ongoing



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ESMP 10.0

FIRE CONTROL

Revision Record				
Date	Section	Issue/Revision	Description	Approved
Sept 2003	All	1		General Manager

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INDUSTRIAL SERVICES ENVIRONMENTAL SITE MANAGEMENT PLAN

SECTION 10.0 FIRE CONTROL

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	ESMP 10.5 Fire Permit Application	6

ENVIRONMENTAL SITE MANAGEMENT PLAN**Section: ESMP 10.0 Fire Control****Subject: ESMP 10.1 FIRE CONTROL****Policy**

To prevent pollution from Brambles Industrial Services and activities.

Objective

1. Minimise air pollution during burning off.
2. Reduce potential for environmental pollution resulting from fire incidents.
3. To respond rapidly to any fire on site to minimise damage and reduce the potential for environmental pollution resulting from an incident.

Target

1. Minimise the potential of equipment and plant to become a fire hazard or fire initiator.
2. Personnel are able to react to any fire situation without endangering themselves, others and equipment.
3. Ensure flammable and combustible spills are containable.
4. Ensure other combustibles are correctly disposed of.
5. During burn off, ensure fires are manageable and the potential for spreading is minimised.
6. Burn off only when conditions are suitable, and welfare of workers and neighbours is considered.
7. Ensure no fires are started on the lease without firstly obtaining the correct permits prior to the fires being lit.

**Controls**

1. Maintain all equipment to ensure efficiency and effectiveness.
2. Park plant and equipment in cleared areas during non-working periods.
3. Provide adequate equipment and ensure that site personnel are trained in response procedures to reduce damage to plant, to prevent spills and prevent release of pollutants from the site.
4. Strategic placement of hoses, extinguishers and other fire fighting equipment around site.
5. Containment of flammable/combustible liquid spills with bunding.
6. Clearing of areas around fire risk operations to create a buffer.
7. Ensure that wood stacks are correctly built and cleared around before permitted fires are lit.
8. Ensure fire extinguisher audits are current.

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INDUSTRIAL SERVICES

Section: OMP 10.0 Fire Control

Subject: OMP 10.1 FIRE CONTROL (Continued)

Licences/Permits

Local Fire Warden consulted and permits gained prior to burn off.

References

Nil

Emergency Response

In accordance with 'Environmental Emergency' procedure.

Monitoring and Reporting

Fire controls to be checked as part of Project Managers duties or designated weekly inspections.

Responsibility for Controls

- | | | | |
|----|----------------|---|-----------------|
| 1. | Issue/Instruct | - | Project Manager |
| 2. | Planning | - | Project Manager |
| 3. | Operating | - | Project Manager |
| 4. | Reporting | - | Project Manager |
| 5. | Monitoring | - | Project Manager |

Resources

Mobile plant - fire fighting equipment, Materials Safety Data Sheets.

Brambles INDUSTRIAL SERVICES ENVIRONMENTAL SITE MANAGEMENT PLAN	Authorisation: Project Manager
Section: ESMP 10.0 Fire Control Subject: ESMP 10.2 <u>GENERAL</u>	

Throughout the Brambles projects there are various fire extinguishers and / or fire hoses. The water trucks also have large hoses attached to the water tank. All equipment is well maintained. There is also the additional earthmoving equipment onsite to construct firebreaks for prevention or in an emergency situation.



Brambles INDUSTRIAL SERVICES ENVIRONMENTAL SITE MANAGEMENT PLAN	Authorisation: Project Manager
Section: ESMP 10.0 Fire Control Subject: ESMP 10.3 <u>FIRE PREVENTION</u>	

All personnel, as part of the Site Induction, shall undertake basic fire fighting training.

During high fire danger periods, firebreaks are constructed. Regular site inspections shall be performed to determine the risks of fires occurring.

It is illegal to start fires on the mining lease without first gaining a permit from the local fire warden. To apply for a permit, a 'Fire Permit Application Form' must be filled out and given to the project manager. The fire warden will check to ensure that it will be safe to light a fire i.e. that the fire stack will only be of a certain size, well stacked, and clear of all other fuel sources, etc. Failure to gain such a permit before lighting any fire may result in prosecution.

Section: ESMP 10.0 Fire Control**Subject: ESMP 10.4 EMERGENCY FIRE RESPONSE**

In the event of a fire outbreak, all steps shall be taken to prevent the spread of the fire, if it is safe to do so. This may include construction of additional firebreaks, back burning, and fire fighting using site equipment and personnel.



The mine manager shall be notified and an Accident Investigation Form completed by the end of the shift.

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ENVIRONMENTAL SITE MANAGEMENT PLAN

Authorisation: Project Manager

Section: ESMP 10.0 Fire Control

Subject: ESMP 10.5 FIRE PERMIT APPLICATION

Application No. _____ Date Required: ____/____/____

Name of Applicant: _____

Position: _____

Company: _____

Location of Proposed Fire: _____

Type of fire (e.g. material) _____

Brief Description: _____

Prevention action taken to ensure that fire remains under control: _____

Who is responsible for the fire?: _____

Position: _____

Signature: _____ Date: ____/____/____

Authorised by: _____

Signature: _____ Date: ____/____/____

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ESMP 11.0

DIRTY WATER MANAGEMENT

Revision Record				
Date	Section	Issue/Revision	Description	Approved
Sept 2003	All	1		General Manager

Brambles

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ENVIRONMENTAL SITE MANAGEMENT PLAN

SECTION 11.0 DIRTY WATER MANAGEMENT

T A B L E O F C O N T E N T S

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Brambles INDUSTRIAL SERVICES ENVIRONMENTAL SITE MANAGEMENT PLAN	Authorisation: Project Manager
Section: ESMP 11.0 Dirty Water Management Subject: ESMP 11.1 <u>DIRTY WATER MANAGEMENT</u>	

Policy

To prevent pollution from Brambles Industrial Services work and activities.

Objective

1. Prevent water from the mining and infrastructure area being released to the environment.
2. Use stored contaminated water efficiently to conserve fresh water resources.
3. Prevent over-topping of contaminated water storages.

Target

1. Ensure the containment of contaminated water within the project site.
2. Ensure current containment system is maintained and deterioration is managed to prevent contamination.
3. Establish design criteria for managing flood events and dirty water use.
4. Ensure freeboard on all storages is adequate.
5. Maximise the reuse of contaminated water i.e. mining haul roads.

Controls

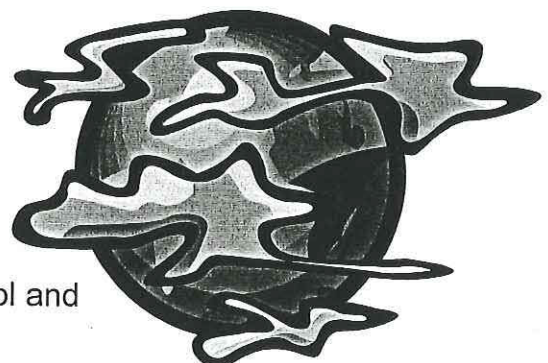
1. Develop a locality plan and process sheet showing all bunding and sedimentation dams.
2. Maintain water levels in dirty water dams at approximately 10-30% capacity to prevent overflow.

Licences/Permits

Licence is required if dirty water is to be released off site for some specific reason.

Emergency Response

Refer to 'Dirty Water Dam / Pipeline Spill Prevention, Control and Countermeasure Plan' procedure.



Brambles INDUSTRIAL SERVICES ENVIRONMENTAL SITE MANAGEMENT PLAN	Authorisation: Project Manager
Section: ESMP 11.0 Dirty Water Management Subject: ESMP 11.2 <u>GENERAL</u>	

Throughout the Brambles project sites, there are a number of water containment facilities. The purpose of this procedure is to advise of the correct methods to adopt in the case of accidental release of dirty water from dams and pipelines.

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Brambles INDUSTRIAL SERVICES ENVIRONMENTAL SITE MANAGEMENT PLAN	Authorisation: Project Manager
Section: ESMP 11.0 Dirty Water Management Subject: ESMP 11.3 <u>SPILL PREVENTION METHODS</u>	

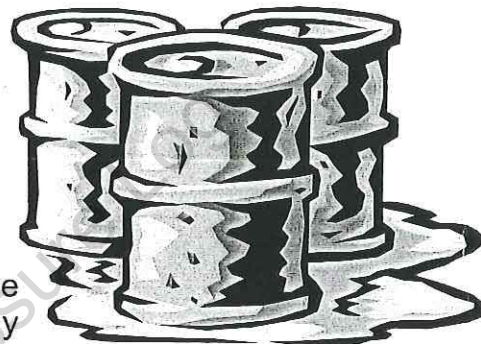
Daily visual checks shall be carried out on the dams and associated pipelines. Weekly Site Environmental Checksheets shall be filled out weekly, with any problems noted and actioned.

If applicable all co-disposal lines need to be tested for thickness on a quarterly basis. Pipes should be rolled 90° half-yearly if applicable.



Section: ESMP 11.0 Dirty Water Management**Subject: ESMP 11.4 EMERGENCY RESPONSE PLAN**

If a leak or rupture is detected in any line, follow the Environmental Emergency procedure, and carry out the following steps:



- Contact the Project Manager.
- The Project Manager shall organise for the spill to be contained and controlled as soon as possible using any means at his disposal.
- Assess the extent of the damage, roughly, using Table 1 depicted on the following page.
- Contact the Safety, Training and Environmental Administrator or the applicable person and explain the incident.

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Section: ESMP 11.0 Dirty Water Management**Subject: ESMP 11.5 CLASSES OF DAMAGE AND INFORMATION****1. CLASSES OF DAMAGE**

Class	Action
Class 1	Immediate
Class 2	Immediate
Class 3	Fill out Accident Investigation Form by end of shift and make available to Safety, Training and Environmental Administrator within 2 clear days.

2. CLASS INFORMATION**CLASS 1 DAMAGE**

- a) That causes actual or potential harm to the environmental values that is irreversible, or of a high impact or widespread; or
- b) That causes actual or potential harm to environmental values of an area of high conservation value or special significance; or
- c) That causes actual or potential loss or damage to property of an amount of, or amounts totaling, more than the threshold amount (\$50,000); or
- d) That results in costs of more than the threshold amount being incurred in taking appropriate action to prevent or minimise the harm and rehabilitate or restore the environment to its condition before the harm.

CLASS 2 DAMAGE

- a) That is not trivial or negligible in nature, extent or context; or
- b) That causes actual or potential loss or damage to property of an amount of, or amounts totaling, more than the threshold amounts (\$5,000) but less than the maximum amount (\$50,000);
- c) That results in costs or more than the threshold amounts but less than the maximum amount being incurred in taking appropriate action to prevent or minimise the harm; and rehabilitate or restore the environment to its condition before the harm.

Section: OMP 11.0 Dirty Water Management**Subject: OMP 11.5 CLASSES OF DAMAGE AND INFORMATION (Continued)****2. CLASS INFORMATION (Continued)****CLASS 3 DAMAGE****Unreasonable interference or likely interference with an environmental value caused by:**

- a) Noise, dust, odour, light; or
- b) An unhealthy, offensive or unsightly condition because of contamination; or
- c) Another way prescribed by legislation.

ENVIRONMENTAL SITE MANAGEMENT PLAN**Authorisation: Project Manager****Section: ESMP 11.0 Dirty Water Management****Subject: ESMP 11.6 COUNTERMEASURES REGARDING DISCHARGE OF DAMS AND PIPELINES**

The dam or pipeline shall be repaired and/or replaced successfully before recommissioning the dam or pipeline.

All spills shall be contained, controlled, and cleaned up so that further environmental harm does not occur. All contaminants to be removed and dumped or pumped back in the dam they originated from.

Conduct regular checks and tests (if necessary) to ensure that the incident does not occur again in the future, check that clean up has been successful, and that no further problems have initiated from the spill.

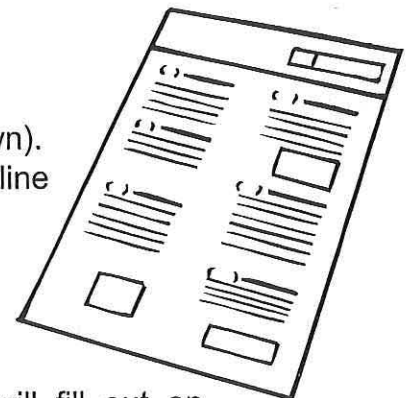
Brambles INDUSTRIAL SERVICES ENVIRONMENTAL SITE MANAGEMENT PLAN	Authorisation: Project Manager
Section: ESMP 11.0 Dirty Water Management Subject: ESMP 11.7 <u>REPORTING REQUIREMENTS</u>	

An Injury, Illness and Occurrences Form **MUST** be completed and forwarded to the Safety Co-ordinator prior to the end of shift.

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Brambles INDUSTRIAL SERVICES ENVIRONMENTAL SITE MANAGEMENT PLAN	Authorisation: Project Manager
Section: ESMP 11.0 Dirty Water Management Subject: ESMP 11.8 <u>INFORMATION REQUIRED FOR EACH SPILL INCIDENT</u>	

- Name of person reporting the spill and to whom
- Use and Accident Investigation Form to report spills.
- Exact location of spill.
- Material spilled and quantity (estimated quantity if exact unknown).
- Why spill occurred – give reason (e.g. dam wall rupture, pipeline broke)
- Indicate person(s) contact, if anyone.
- What was done with the spill clean up material (e.g. placed back into co-disposal dam)?



In turn, the Safety, Training and Environmental Administrator will fill out an Environmental Incident Report Form, (if the incident is Class 2 or Class 2) and notify the mine manager.

The Mine Manager will report the incident to appropriate environment authorities.

<u>Class</u>	<u>Action</u>
Class 1	Immediate
Class 2	Immediate
Class 3	Within 2 Clear Days.

Section: ESMP 11.0 Dirty Water Management**Subject: ESMP 11.9 GUIDELINES FOR CONTENT OF WRITTEN NOTIFICATION TO THE DEPARTMENT OF ENVIRONMENTAL PROTECTION**

- Name and contact number of project manager
- Name of employee who identified the spill
- Date of spill
- Time of spill
- Location of spill
- Duration of spill
- Source of spill
- Cause of spill
- Volume of discharge
- Description of discharge
- Mitigation actions
- Corrective Actions

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Section: ESMP 11.0 Dirty Water Management

Subject: ESMP 11.10 DIRTY WATER MANAGEMENT 6 MONTHLY CHECKLIST

Project / Branch: _____ Date: _____

ITEMS	YES	NO	COMMENTS
STORMWATER			
Is anything discharged to stormwater?			
Does stormwater flow across your site where there may be contaminants (e.g. oils, nutrients, chemicals, etc.)?			
Are there stockpiles of materials exposed to rain?			
What is done to stop poor quality stormwater leaving the site?			
Where do cleaners dispose of chemicals and used water etc.?			
Is litter etc. washed into gutters and drains during routine cleaning of foyer/footpath areas of the building?			
WASTEWATER			
Are there measures to reduce the amount or improve the quality of wastewater?			
What is the quality of that wastewater and when and where is this checked? How often?			
How sensitive are the receiving waters?			
What monitoring is done? For what?			
What arrangements are there for emergency spills?			
What are the clean up measures?			
Is the storage structure secure?			