

Pollution Incident Response Management Plan

For the Resource Recovery Facility at 88 Redfern Street, Wetherill Park Grima Environmental Services Pty Ltd

September 2015



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	Consulting Pty Ltd	Consulting Pty Ltd	

1. PURPOSE OF THIS PLAN

Under the NSW *Protection of the Environment Operations Act* 1997, holders of an Environment Protection Licence must prepare and implement a Pollution Incident Response Management Plan (PIRMP).

The objectives of the PIRMP are to:

Ensure comprehensive and timely <u>communication</u> about a pollution incident to staff, EPA, authorities and other stakeholders



<u>Minimise and control the risk</u> of a pollution incident by identifying risks and planning actions to minimise and manage them



Ensure that the plan is properly implemented by nominated trained staff, and regularly tested

A "pollution incident" is defined as:

An incident or set of circumstances during or as a consequence of which there is or is likely to be a leak, spill or other escape or deposit of a substance, as a result of which pollution has occurred, is occurring or is likely to occur.



It includes an incident or set of circumstances in which a substance has been placed or disposed of on premises, but it does not include an incident or set of circumstances involving only the emission of noise.



A pollution incident is required to be notified if there is a risk of 'material harm to the environment', which includes potential harm to the health or safety of human beings or to ecosystems as well as potential loss or property damage of an amount, or amount exceeding \$10,000

The PIRMP must be:



2. ABOUT THE SITE

Address • 88 Redfern Street, Wetherill Park NSW 2164 Lot number • Lot 3, DP 262054, Redfern Street Wetherill Park Site size Approximately 5,000m² • Fairfield LGA • Zoned IN1: General Industrial under Fairfield LEP 2013 Zoning • The site operates under a current development consent #1135.1/2008 • A weighbridge has been installed in 2009 as an industry requirment Regulatory • An Environment Protection Licence is required for this facility under the Controls Protection of the Environment Operations (Waste) Regulation 2014. At the time of writing this plan, the licence application was underway. • Paper, cardboard and plastic film from commercial collections • Development consent is for a maximum of 28,000 tonnes a year of paper, Waste types cardboard and plastic to be processed on site accepted Operating hours •24 hours, 6 days a week - Monday to Saturday except Sunday

2.1 Site location





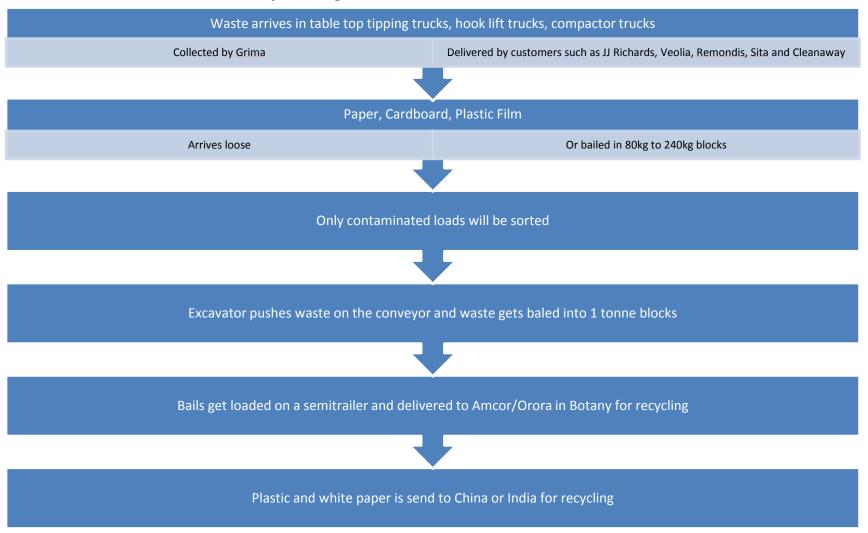
Aerial view of the site



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Location of the stormwater drains

2.2 Overview of waste receival and processing



Grima Environmental Services receives paper, cardboard and plastic film from various companies some in blocked form or loose. Usually the waste is not sorted as the products arrive in clean loads. The only time sorting occurs is if the product delivered is contaminated. Grima's main product is cardboard. Grima collects it from various stores with a table top tipping truck blocked in 80kg to 240kg blocks, for example Woolworths, IGA stores, Fruit shops. Grima also collects paper, cardboard and plastic film from industrial business which can come in loose form or blocked. Grima's hook lift trucks collects compactors of cardboard from stores like BIG W, Target, Kmart, Aldi plus various industrial sites. Grima operates compactor trucks that collect paper/cardboard from various customers. Grima also receives paper, cardboard and plastic film from various companies for example JJ Richards, Veolia, Remondis, Sita and Cleanaway.

When the product gets delivered to the site the driver will drive onto the weighbridge and weigh his truck on with the self maned weighbridge. The driver will empty the truck in the shed as instructed. The loose carboard gets pushed on the conveyor belt into the baler machine and the cardboard will come out in 1 tonne blocks. The blocks then get put onto a semitrailer which gets delivered to Amcor/Orora at Botany for recycling. The same procedure is for the whites paper and the plastic blocks but both of these products get exported to China or India for recycling.



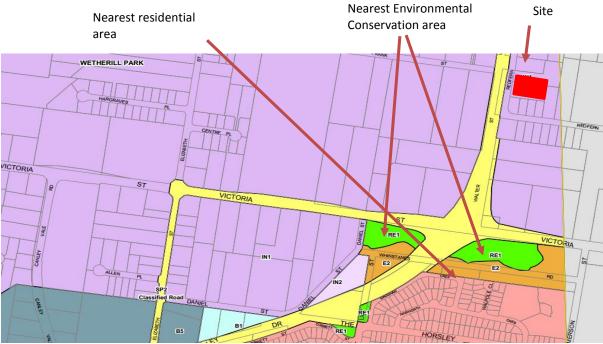
Picture 1: Stockpiling Cardboard, paper and plastic film

Picture 2: Excavator pushing the cardboard onto conveyor

2.3 Nearest sensitive receptors

The site is located within the Wetherill Parl industrial precinct. The nearest residence is approximately 600m away, south of Victoria Road. The closest waterway is a prospect creek and runs approximately 500 meters north of the site. Prospect creek is flows into Dhurawal Bay near Georges Hall and becomes Georges River. The site situated approx.1 kilometre south east of Prospect Nature Reserve. The closest environmental conservation area is located 500 meters south of the site, Wetherill Park Reserve.



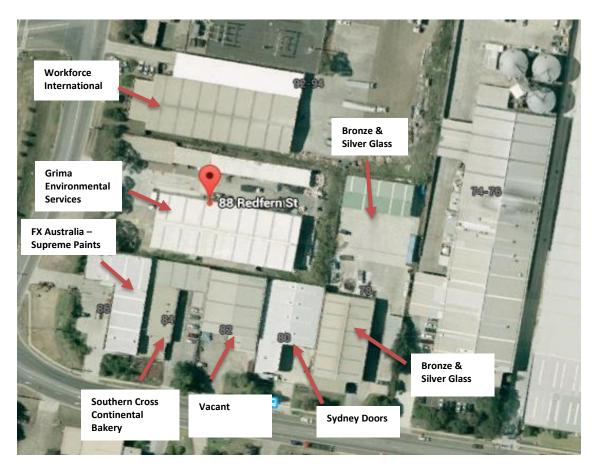


Source: Fairfield LEP 2013 Land zoning Map

2.4 Adjoining premises

The site is located in an industrial area, and is surrounded by industrial and commercial premises to the north, east and south. The site is only accessible through Redfern Street.

The map below shows the site's immediate neighbours.



The activities of the adjoining businesses are described below.

FX Australia

- 86 Redfern Street
- Supreme Paints for residential and commercial applications
- provides toll manufacturing services to leading paint manufacturers and private enterprises
- provide research and development services
- Fire risk due to paint storage
- Ph (02) 97255888

Workforce International

- 92-94 Redfern Street
- Line marking and traffic controll services
- Stoarge of line marking machinery, road paint, cold applied plastics, etc.
- Fire risk due to paint storage
- •Ph (02)87848150

Bronze & Silver Glass

- 78 Redfern Street
- •Glazier & Glass Replacement Services
- •Storage of glass and mirrors
- Services include:
 Sand blasting,
 painting glass,
 laminating, water
 jet cutting etc.
- fire risk due to chemical, gas and paint storage
- •Ph (02)97573177

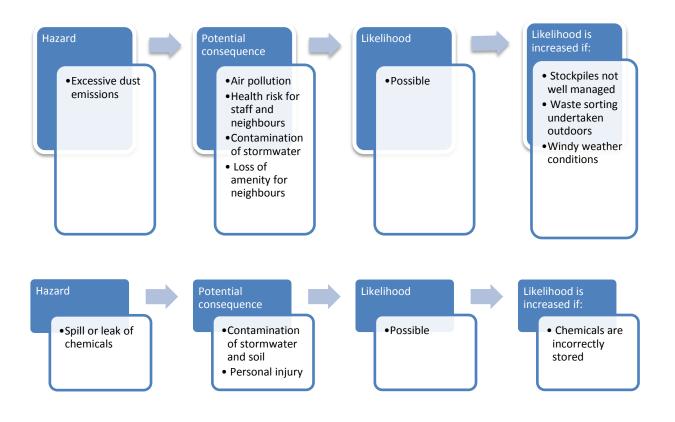
Sydney Doors

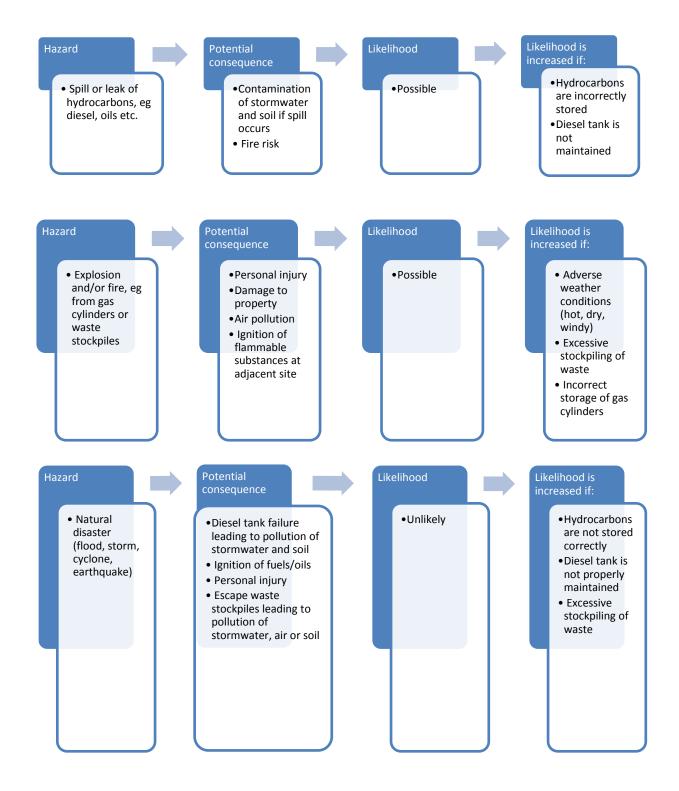
- •80 Redfern Street
- Kicthen and wardrope doors services
- •showroom and offices in site
- •(02) 97254444

Southerm Cross Continental Bakery Pty Ltd

- 84 Redfern Street
- wholesale bakery dircet to the public
- produces baked goods on site
- •(02) 9756 2776

3. DESCRIPTION AND LIKELIHOOD OF THE MAIN HAZARDS





4. PRE-EMPTIVE ACTIONS TO BE TAKEN

The main hazards, and the mitigation measures in place for each one, are shown below.

Excessive dust

- All waste sorting will be undertaken undercover
- Dust suppression preventative actions will be started as soon as dust is generated
- •Loose material stockpiles will be kept at a minimum
- Drains will be protected with filters
- Provide and maintain vegetation/landscape around the perimeter
- Daily cleaning of all working surfaces

Spill or leak of

- All chemicals will be appropriately stored , labelled and bunded
- •Spill kits will be ready accessible and maintained
- Material Safety Data Sheets for all chemiclas will be available on site
- Drains will be protected with appropriate filters

chemicals

- Diesel tank will be stored in a weatherproof, self-bunded vessel
- All oils and creases will be stored in an appropriate bunded area
- •Spill kits will be ready accessible and maintained

Spill or leak of hydrocarbons

- Any diesel or oil spillages will be immediately contained and absorbed, and disposed of appropriately
- •Soils impacted by hydrocarbons will be disposed of to a suitably licenced facility

Explosion or fire

- Install and maintain Fire Safety System as required by the consent and display fire safety certificate and emergy procedure
- Keep fire extinguishers and hose reels free of obstruction for easy access
- •Stockpiles will be kept to a minimum
- Staff will be trained in the use of fire extinguishers, fire hose reels and the fire emergy procedure
- Gas cylinders will be stored and labelled correctly
- Chemicals will be stored and labelled correcty

Natural disaster

- Appropriate insurance policies will be purchased
- •In the event of pre-warning of such an event, all necessary precaution will be taken to prevent pollution by securing the site

5. INVENTORY OF POLLUTANTS

Potential pollutant	Storage location	Maximum quantity on site
Diesel	Above ground bulk fuel tank	200 Litres
Engine coolant	Workshop	20 Litres
Hydraulic oil	Workshop	200 Litres
Engine oil	Workshop	1000 Litres
Gear oil	Workshop	200 Litres
Transmission oil	Workshop	20 Litres
Degreaser	Workshop	200 Litres
Brake fluid	Workshop	500 ml
Grease drum cartridges	Workshop	300 ml
Gas (LPG) – Forklift gas	Workshop	

6. SAFETY AND CLEAN-UP EQUIPMENT

Equipment	Location
Spill kits	Workshop
Chemical spill kits	Workshop
Material Safety Data Sheets	Workshop
Drain protectors	On all drains
First Aid Kit	Workshop/Site office
Sandbags	Workshop

Fire extinguishers	Site office/ Workshop/Storage & Sorting Shed
Personal Protective Equipment	Workshop
Traffic signs/barriers	Workshop

7. CONTACT DETAILS & RESPONSIBLE PERSON

The person responsible for implementing this plan is Carmen Grima, Director and Secretary, Grima Environmental Services Pty Ltd.

In the case of a pollution incident, the following people should be notified immediately:

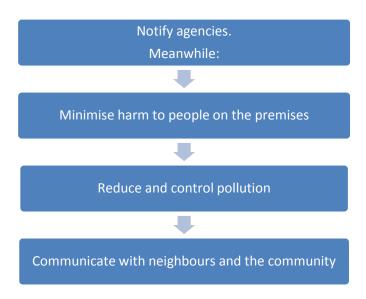
Primary site contact

- Carmen Grima
- Director and Secretary
- Grima Environmental Services Pty Ltd
- 02 9609 4117
- 0412 719 775

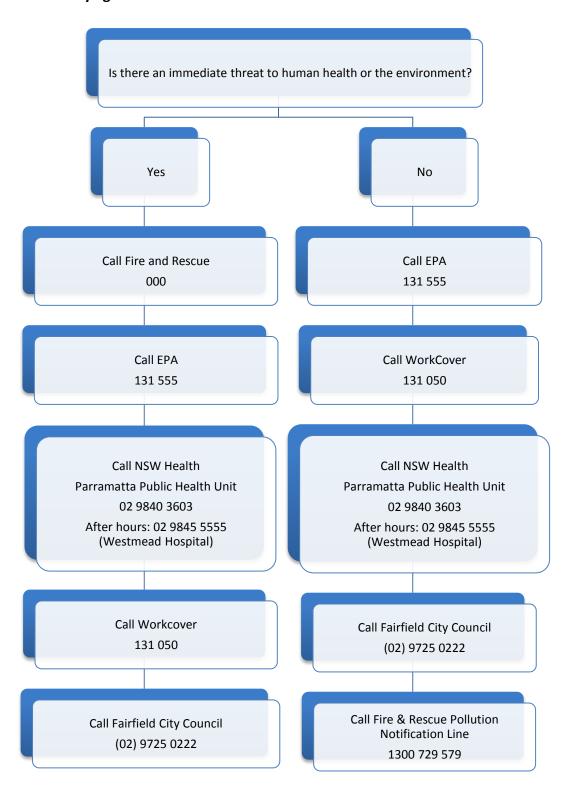
Secondary site contact

- Jim Grima
- Director
- Grima Environmental Services Pty Ltd
- 02 9609 4117
- 0414 375 555

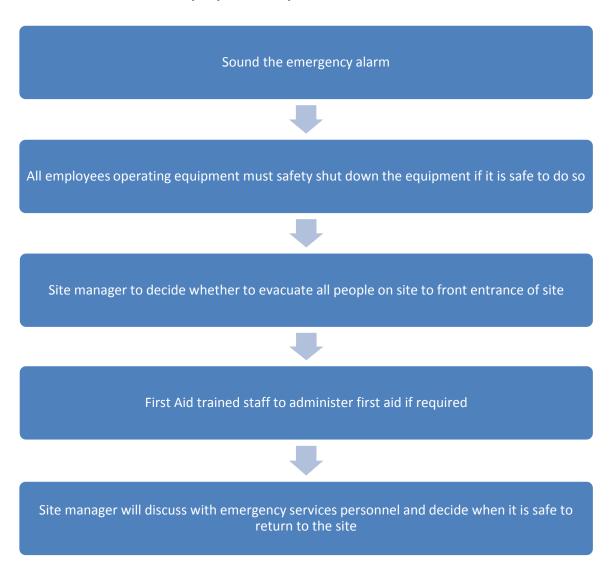
8. ACTIONS TO BE TAKEN DURING OR IMMEDIATELY AFTER A POLLUTION INCIDENT



8.1 Notify agencies



8.2 Minimise harm to people on the premises



8.3 Reduce and control pollution

Excessive dust

- •Use PPE (dust masks, safety glasses)
- •Apply dust suppression measures eg minimise draft in windy conditions, close shed doors
- •Keep loose stockpiling to a minimum
- Protect drains with drain covers

Spill or leak of chemicals

- Deploy spill kits
- Protect drains with sandbags / drain covers
- Follow instructions from emergency services/authorities if required
- Dispose of contaminated material through a licenced contractor and facility.
- Erect appropriate barriers and signage during cleanup phase

Spill or leak of hydrocarbons

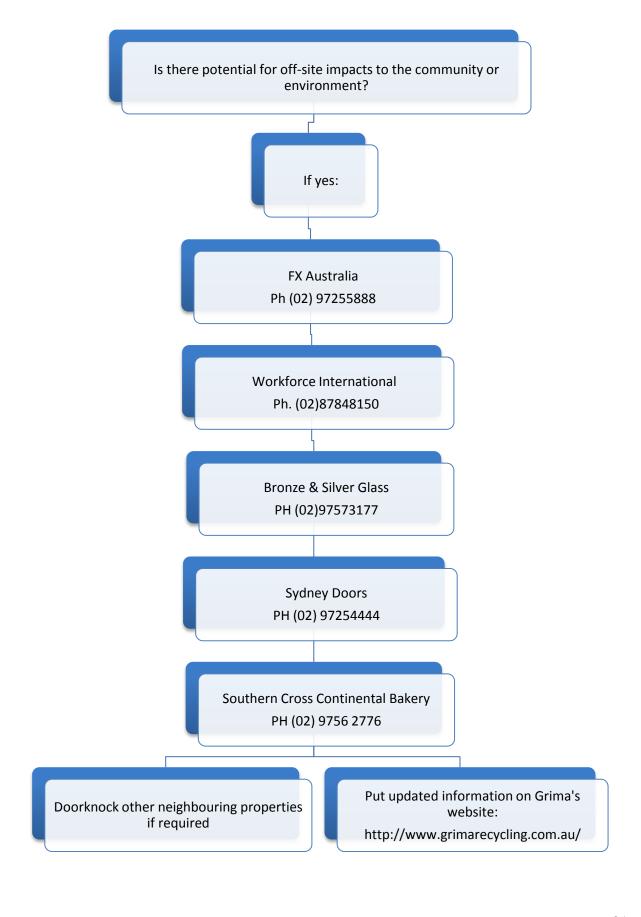
- Deploy spill kits
- Protect drains with sandbags / drain covers
- Follow instructions from emergency services/authorities if required
- Dispose of contaminated material and soil through a licenced contractor and facility
- Erect appropriate barriers and signage during cleanup phase

Explosion or fire

- Deploy fire extinguishers and fire hose reels if safe to do so
- Follow instructions from emergency services/authorities if required
- Erect appropriate barriers and signage during cleanup phase
- Follow instructions from emergency services/authorities
 Erect appropriate barriers and signage during cleanup phase
- Contact insurance company

Natural disaster

8.4 Communicate with neighbours and the community



9. STAFF TRAINING AND TESTING THIS PLAN

9.1 STAFF TRAINING

All employees will be trained in the requirements of the plan.

All new employees will be made aware of the requirements of the plan as part of their induction process.

All staff will be trained in the new procedures as part of the plan.

All employees will be trained in the use of spill kits and Fire Safety System.

All employees are required to complete refresher training on an annnual basis.

In addition to the above induction and training, details of this plan will be provided to key contacts on site and off site.

Records of training will be maintained in personnel files at Grima's office.

9.2 Testing this plan

This plan and relating procedures will be reviewed once a year to ensure that the information contained within the plan is accurate and current. If necessary, the plan will be updated as a new version.



Evaculation drills will be carried out at least once a year.



Improvements identified in the review and drills will implemented.



Records will be kept of the reviews and drills, their outcomes and any improvements identified and implemented.



This plan must be tested and updated within one month of any pollution incident occurring to assure that it is still workable and effective.

10. LOCATION OF POLLUTANT STORAGE, STORMWATER DRAINS & EVACUATION POINT

Main

Evacuation point

Stormwater drain & filter

Oils, greases, coolant & chemical

storage at workshop

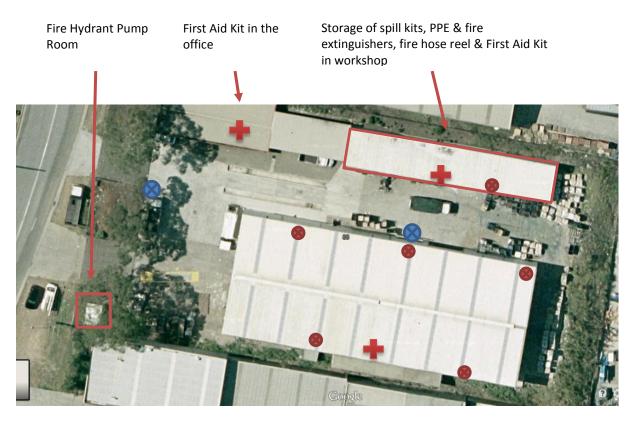


Stormwater drains & filters



Picture 1: Main stormwater drain fitted with mesh filter Picture 2: Stormwater Drain with grid in front of workshop

11.LOCATION OF SAFETY & CLEAN UP EQUIPMENT



- Location of fire hose reels and extinguishers
- Location of fire hydrants
- Location of first aid kits