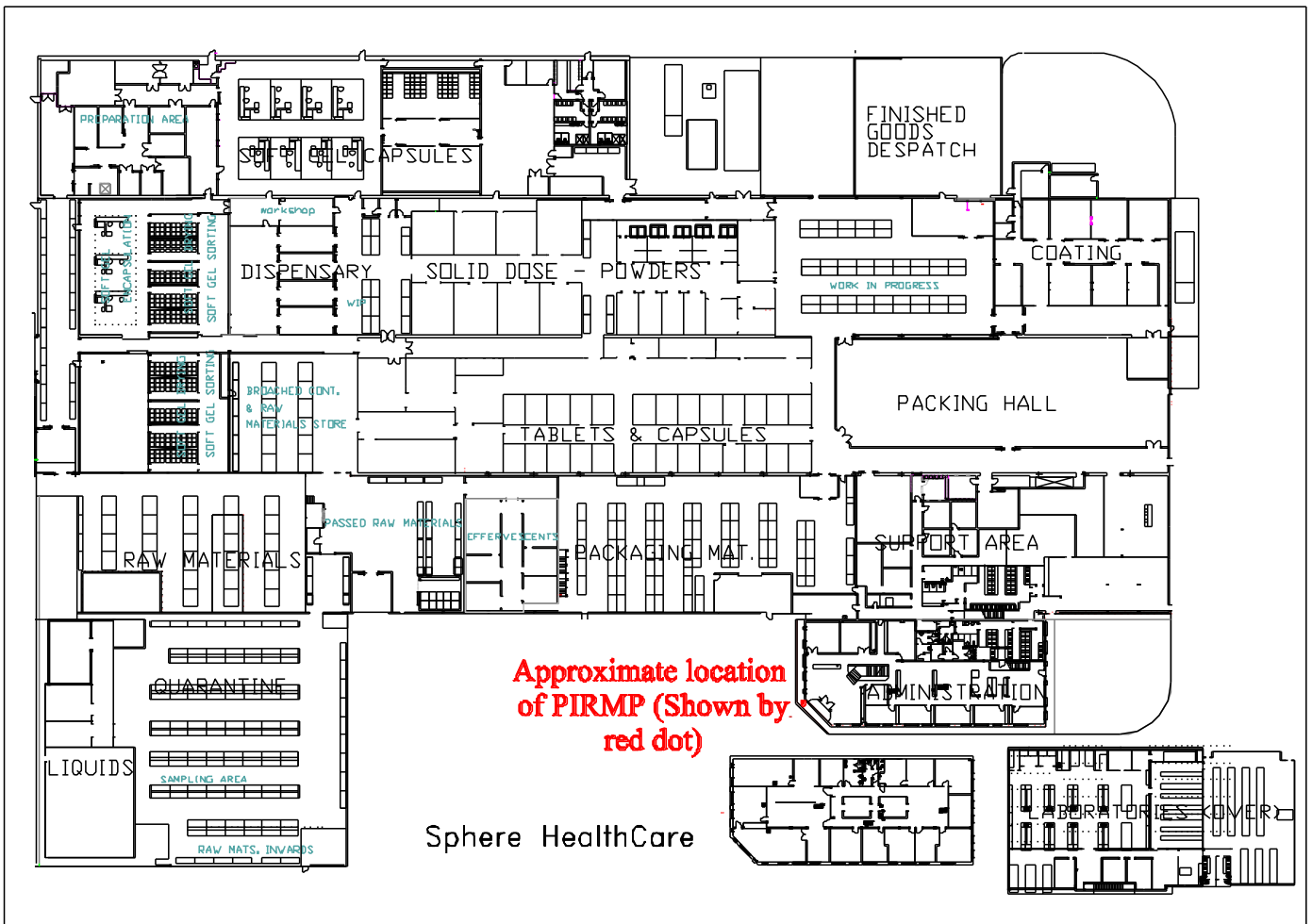


Pollution Incident Response Management Plan

PLAN DETAIL

- Pollution Monitoring Data – no requirement per licence to record pollution data.
- Plan location

Plan will be affixed to front door external to building near Reception.



Pollution Incident Response Management Plan

Description of likelihood of hazards

- Breach of ethanol pallecon – ethanol stored in pallecons, with pallecons stored in bunded container. Breach of a single pallecon unlikely to lead to spillage due to bunding.
- Transfer line failure during decanting of ethanol – worst case scenario would be spillage of contents of full pallecon (approx 1000L). Since transfer is manned it is probable that operator would intervene to stop transfer pump with maximum spillage in the order of 200L. Such spillage would be contained with spill kit. Spill kit is available within 20m of bunded containers.
- Breach of natural gas line. This scenario is highly improbable. Result would be discharge of natural gas to environment.
- Breach of trade waste (water) treatment system. Trade waste would be discharged directly to trade waste line (Sydney Water) in an untreated state. Such breach is possible but unlikely.
- Breach of Lab waste – Lab waste is stored in 15 L containers on bunded pallets for collection by external contractor. In the event that entire contents of full pallet were to be breached it is possible that Lab waste could enter storm water system. Such breach is highly improbable as it is unlikely to breach all the containers simultaneously.
- Breach of Waste Edible and Fish Oil – Expired and waste oils are stored in steel 200 Litre drums arranged on bunded pallets and stored under cover, beneath an awning. It is considered that a spill large enough to constitute a spill is highly unlikely because of the inherent strength of the steel containers, being stored on bunded pallets, and protected from the weather and impact. The highest risk of a spill would be during the process of manoeuvring drums in preparation for siphoning by a vacuum waste truck in which case, the worst scenario would be, the rupturing of a whole drum in the vicinity of a storm water catchment area.

Pollution Incident Response Management Plan

Inventory of potential pollutants

Lab chemicals as follow:

- Organic solvents – average 300L
- Inorganic wastes – average 50L
- Halogenated wastes – average 70L
- Heavy metals wastes - .average 10L
- Perchloric acid wastes – average 5L

These wastes are collected and disposed of by an authorised contractor. The wastes are stored on a bunded pallet.

Other potential pollutants:

- Ethyl alcohol – 3000L (Held in bunded container)
- Natural gas – standard supply
- Peracetic Acid – 40L (Held on bunded pallet)
- Waste edible and fish oil storage – 4800L (Held on bunded pallets)

Safety equipment and other devices

Ethanol	Bunded storage Fire extinguishers Spill kits PPE
Natural Gas	Able to turn off natural gas supply.
Trade Waste	Bund Fire extinguisher Spill kit PPE
Lab waste	Fire extinguishers PPE
Waste Edible & Fish Oil	Spill Kit

Pollution Incident Response Management Plan

Contact Details

Names, positions and titles including 24 hour contact details for key individuals responsible for activating plans and managing response.

- 000 if incident presents an immediate threat to human health or property
- EPA (Environment Line) – Telephone 131 555
- Fire and Rescue NSW - Telephone 1300 729 579
- NSW Police – Liverpool Police Station - Telephone - (02) 9821 8444
- NSW Ambulance Service – Telephone - 000
- Liverpool Council – Telephone - (02) 9821 9222
- Minister for Health via local Public Health Unit 1300 066 055
- WorkCover – Telephone 13 10 50
- Manufacturing Manager – Mr Simon Swifte – Telephone 0409554086
- Senior Engineer – Mr Andrew Hall – Telephone 0403729779

Communication with neighbours will be on an as needs basis.

- Manheim – Mr Ross Dowell, General Manager - 0417347727
- Goodman Fielder – Mr Robert Polak, OH&S Manager - 0404126680

Pollution Incident Response Management Plan

Emergency Actions

Actions/arrangements to minimise the risk of harm to persons on premises:

- Evacuate people from the building by activating the fire alarm which triggers the processes of our emergency evacuation procedure
- Training to relevant staff in the safe use of ethanol
- Trained first aiders on site to provide first aid to any casualties
- SDS available for materials eg. lab chemicals, ethanol

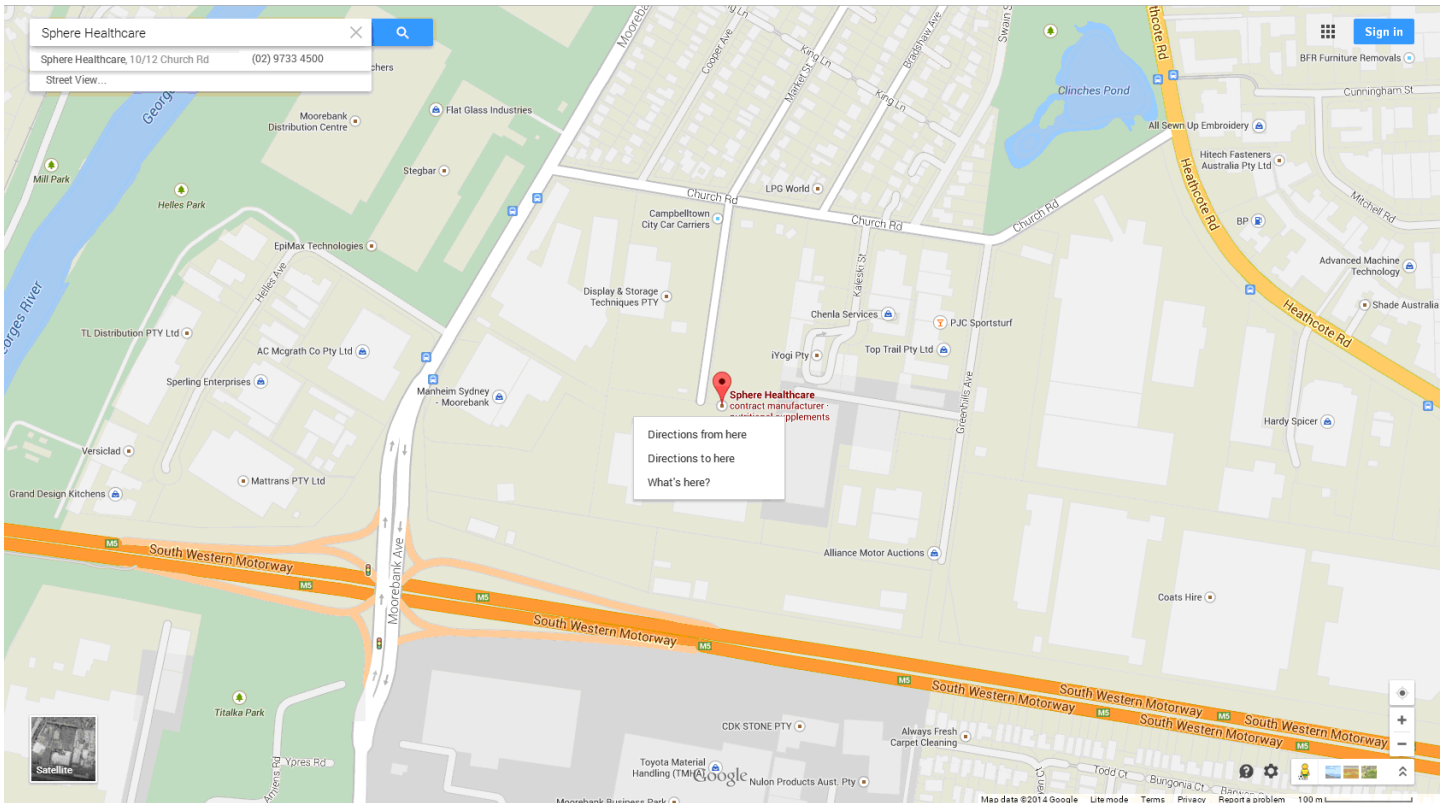
Suitable experts – consultants, medical, toxicology and environmental impact:

- Poisons information centre – 13 11 26

Pollution Incident Response Management Plan

Maps

Location of premises



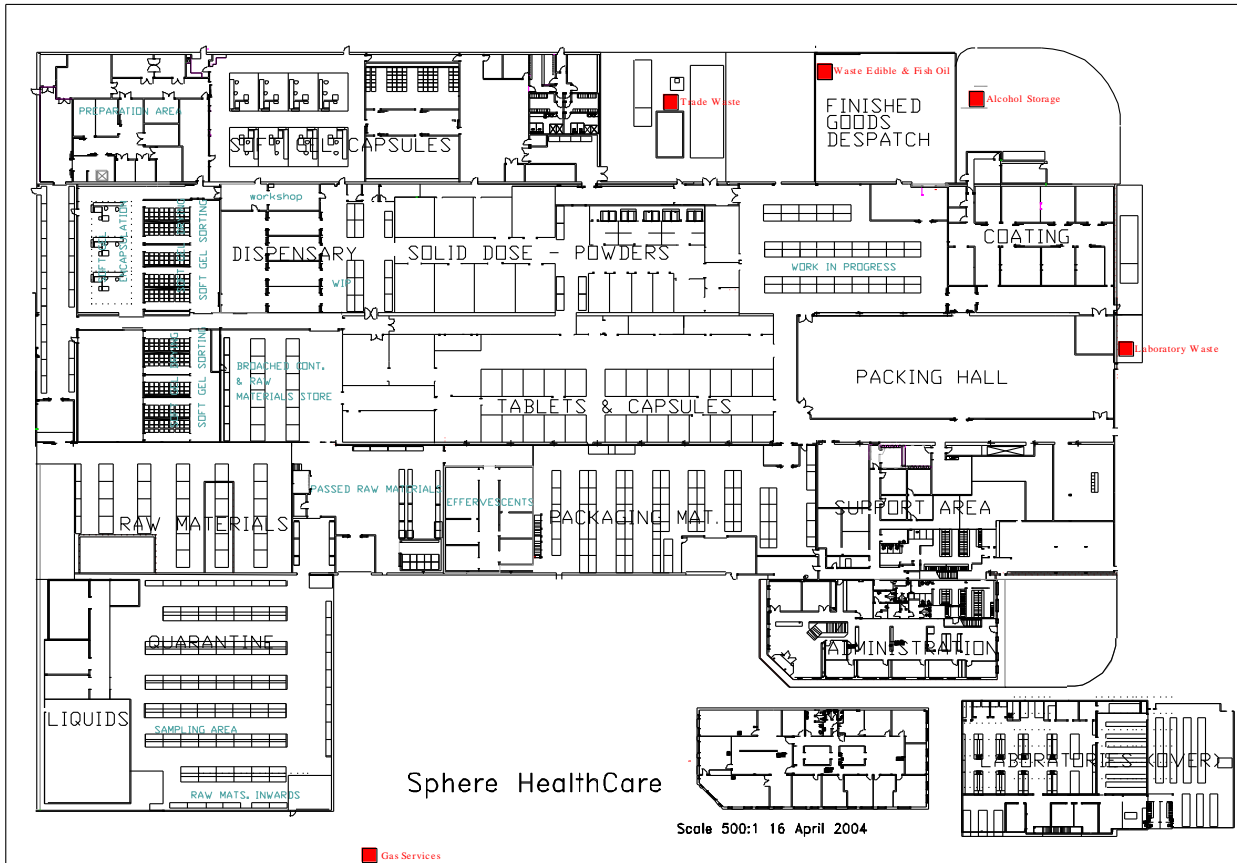
Pollution Incident Response Management Plan

Surrounding area likely to be affected

- Breach to gas supply would be dependent upon prevailing weather conditions
- Breach to trade waste system would be unlikely to affect atmosphere but may affect trade waste
- Breach to Lab Waste would be contained by bund and unlikely to affect atmosphere in stated quantities
- Breach to ethyl alcohol supply would be contained by banded container. External spills could potentially enter storm water system in small quantities if not contained (transfer hose).
- Breach of Waste Edible and Fish Oil in storage would be contained by banded pallet but, in transit it could enter the storm water system, though limited by the size of the container (200L).

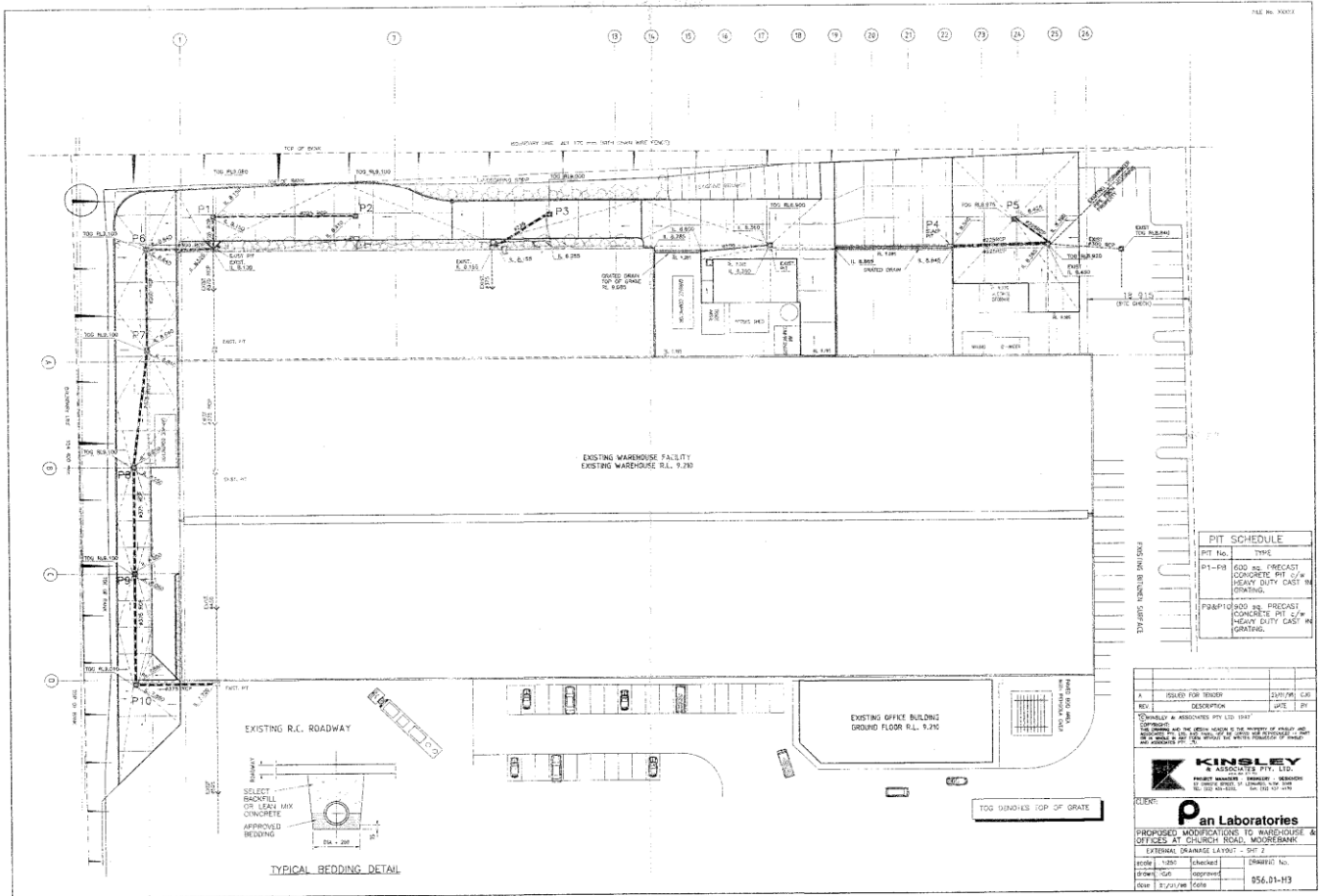
Pollution Incident Response Management Plan

Location of potential pollutants



Location of stormwater drains including discharge location

Pollution Incident Response Management Plan



Actions to be taken immediately after an incident to reduce or control pollution.

Staff training programmes to implement response plans:

- Regular fire drill training
- Annual fire fighting training
- Spill containment training
- SOP specific to handling of each material

Pollution Incident Response Management Plan

Communicating with community

Plan Availability

- Plans available on website
- Refer previous points

Testing of plans

- Evacuation drills conducted annually

PIRMP reviewed by Andrew Hall – Senior Engineer July 2017

Authorised by Simon Swifte – Manufacturing Manager July 2017